

Dr. John Waterbury
President
American University of Beirut
Beirut, Lebanon

September 15, 2003

Dear Mr. President,

Please find enclosed the Annual Report of the Faculty of Arts & Sciences for the academic year 2002 – 2003. This report was written by the chairpersons and/or directors of the academic units and of the standing committees of the Faculty of Arts & Sciences, and edited in the Arts & Sciences Dean's Office.

Sincerely yours,

K.M. Bitar
Dean of the Faculty

ANNUAL REPORT
OF THE
FACULTY OF ARTS & SCIENCES
AMERICAN UNIVERSITY OF BEIRUT

ACADEMIC YEAR **2002-03**

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PART A

SUMMARY REPORT

OF THE

OFFICE OF THE DEAN

SUMMARY REPORT OF THE OFFICE OF THE DEAN

This report covers the period from October 1, 2002 to September 30, 2003 for the Faculty of Arts and Sciences.

Student enrollment in the Faculty during the first semester totaled 2793 (2437 undergraduate students) and 2737 (2381 undergraduate students) during the second semester. The teaching program involved 274 faculty members, of whom 197 were on full time appointments with the balance occupying part time positions. 164 graduate assistants were also appointed.

The 2002-2003 Second semester Session ran as scheduled from February 11, through June 14, 2003. The teaching program involved 283 faculty members, 161 graduate assistants, and 2733 students enrolled in 503 different courses (equivalent to 940 courses and sections).

The summer session of 2003 ran as scheduled from June 25, 2003 through August 20, 2003. The teaching program involved a total of 124 faculty members and 811 students were enrolled.

I. Student Admissions: 2002-2003

A total of 766 applications for admission to the freshman class were received and 546 applicants were issued letters of acceptance for the first semester of 2002-2003, of whom 307 students registered. Applications for admission to the sophomore class totaled 1835. 1210 applicants (330 arts, 817 sciences and 63 with unspecified major choice) were issued letters of admission for the same period and 367 registered. Applicants for admission to the School of Business (SB) totaled 1103 out of whom 641 were issued letters of admission of whom 195 registered.

It is to be noted that many of these offers were duplicate applications and duplicate offers to FAS and SB and hence the seemingly low return in registration compared to offers made.

A total of 81 applications for admission to the freshman class for the second semester of 2002-2003 were received and 34 were issued letters of admission. A total of 218 applications for admission to the sophomore class were also received and 75 letters of admission to FAS and 48 letters of admission to SB were issued.

Early admission applications for the academic year 2003-2004 were also considered. 247 applications were received and 172 applicants were issued letters of early admission to undergraduate study (132 to the sophomore class in FAS and 33 to the Freshman

class). Early admission to the school of business and all admissions for 2003-2004 are, as of this academic year, been considered by the newly formed admissions committee of the school.

Applicants to the UPP (University Preparatory Program) totaled 37 in September 2002 of whom 16 were issued letters of admission and registered, and 7 in January 2003 of whom 3 have been issued letters of admission.

Until September 2003, 33 UPP applications were considered, 19 of whom were issued letters of admission to the Academic year 2003-2004.

II. Student Admissions: 2003-2004

Early admission to the university has resulted this year in 137 applicants being admitted to the sophomore class and 35 to the freshman class in FAS.

805 applications for admission to the freshman class were received and 499 applicants were issued letters of admission to date for the first semester of 2003-2004 and 1238 of 2139 applicants for admission to the sophomore class were also issued letters of admission. It is to be noted that many of these accepted applicants represent students applying also to other Faculties at AUB.

III. Faculty Recruitment: 2003-2004

A total of 457 applications have been received to faculty positions that were advertised as available in the Faculty starting September 15, 2002. After consultation with the departments and the Advisory Committee, 33 offers were made so far. To date 25 offers have been accepted and all contracts are being processed (three professors are to start in February 2004). Eight offers have been declined. The national distribution of those who accepted our offer are: 6 Lebanese, 8 US citizens, 2 from Germany and one each from: Australia, Canada, Finland, India, Greece, Ireland, Serbia, Tunisia and the UK.

IV. Current Faculty Number and Composition: 2002-2003

The total number of budgeted full-time Faculty positions for the academic year 2002-2003 is two hundred and nineteen (219). To date all lines have been used for faculty appointments.

One hundred ninety seven (197) are currently used for full-time contracts, with the balance used for part-time contracts.

Full-time faculty are distributed as follows: one hundred twenty four (124) are in the Professorial ranks (Assistant, Associate and Full Professors), sixty (64) are in the ranks of Instructor and Lecturer and four (4) are Assistant Instructors.

One faculty on visiting status was appointed using an endowed chair fund (Sheikh Zayed Chair of Islamic and Arabic Studies). Professor Tarif Khalidi has also assumed his position as Sheikh Zayed Chair of Islamic and Arabic Studies as of September 2002. Dr. Takahiro Aoyagi is also occupying the Whittlesey Chair in Music for the current academic year. It was hoped that as of the October 2003 a candidate to fill the Margaret Weyerhauser Jewett chair in Arabic will also be selected. This selection has now been extended to October 2004.

V. Professors On Leave

One professor is on paid research leave during the current academic year. Six faculty members are on paid research leave during the first semester of 2002-2003 and three were on similar leave during the second semester. These paid leaves are financed by a Hewlett Foundation grant. Three faculty members were on leave without pay during the second semester. One faculty member was on leave with pay during the coming second semester as part of the exchange agreement with the University of Virginia. One faculty member has resigned in midyear to accept a lucrative position in the private sector.

VI. Applications For Promotion

Twelve applications for promotion were received by the deadline of August 19, 2002. Of these, eight (8) are for promotion to the rank of Associate Professor and four (4) are for promotion to the rank of Full Professor.

The Advisory Committee has considered these applications and recommendations to the academic board of deans and The Board of Trustees have been made. Two faculty members were promoted to the rank of Professor and seven have been promoted to the rank of Associate Professor.

VII. General Remarks

The New University Preparatory Program (UPP) started operation this fall semester under the supervision of the department of English. The program aims to prepare students with good academic records but poor English language training for future entry to AUB. The pilot program has 16 students currently enrolled. The FAS admissions committee admits Students to this program only if they show promise, through their school records, at being admitted to AUB at a later stage. Training in the program aims primarily at improving student's English language proficiency, as well as on taking the SAT exams.

The committee that has been appointed to look into the establishment of a department of Fine Arts, has submitted a report that is being considered by the FAS curriculum committee. Space and budgetary consideration need also to be considered in parallel

with that process by other University committees. It is hoped that such a department would be in operation as of October 2005.

The Faculty of Arts and Sciences (at its meeting of December 16, 2002) and the University Senate (at its meeting of January 31 2003) have approved the proposed separation of the program in Computer Science (currently with the department of Mathematics) into an independent department of Computer Science within FAS. This is a purely administrative move that does not affect the academic programs offered by either department. It should provide better representation of Computer Science faculty on Faculty committees and provide such department the opportunity to develop independently.

The new Central laboratory Facility in the lower campus is operating and further pieces of equipment are continually being received and installed. Orders for other major equipment for the Laboratory have been also been made and are in the pipeline for delivery. This facility has become a major addition to the research facilities at the University.

All graduate programs are still undergoing modification and upgrading. Several departments have also proposed the re-establishment of Ph.D. programs.

To date, 14 classrooms have been set up in FAS as 'intelligent class rooms' with computers, internet access and audiovisual aids enhanced with LCD projectors. Nine were completed with funds provided by the Presidents club.

K. M. Bitar
Dean of the Faculty

PART B

REPORTS

OF

STANDING COMMITTEES

ADMINISTRATIVE COMMITTEE

A. MEMBERSHIP

Acting Chairman: R. Baalbaki, Professor, Arabic & N.E.L. (2002)

Members:

S. Agha, Associate Professor, Arabic & N.E.L (2003)

K. El-Hassan, Associate Professor, Education (2003)

J. Haddad, Assistant Professor, Mathematics (2003)

T. Alami, Assistant Professor (2003)

J. Meloy, Assistant Professor, History and Archaeology (2003)

M. Tabbal, Associate Professor (2004)

S. Labban, Assistant Registrar, Ex-Officio

L. Knio, Student Record Officer, attends all meetings of the Committee, records minutes.

B. COMMITTEE POLICIES

The Committee follows the established regulations outlined in the University Catalogue. It rules on all cases involving undergraduate students with irregular academic status; its jurisdiction has been extended to graduate level in the case of incomplete grades. The Committee reviews regularly the academic records of Majorless students, students on probation, special students, and students not working for a degree in order to ensure the implementation of the established regulations. The Committee makes exceptions to academic regulations in the case of the students with difficult circumstances.

The Committee has applied new rules relating to the CVSP courses, namely that dropping CVSP courses should no longer need the approval of the Administrative Committee.

C. COMMITTEE ACTIONS

The Committee held 15 meetings throughout the academic year 2002-2003 to deal with the academic problems brought before it by undergraduate students.

1. The Committee continued implementing the probation rules which are based on the cumulative averages of the students in each class.
2. The Committee implemented the policy of the Faculty according to which multi-sectional courses should have a common policy on grading in order to ensure equity across the different sections. All such courses must have a coordinator who discusses

the grading policy with all instructors, and whose signature is required on the grade sheets.

3. The Committee reviewed the academic records of 1) students on continued probation based on their performance during the fall semester 2002-03 and 2) students on strict probation and students who had been majorless for at least two semesters who had received warning letters stating that they would be considered for dismissal from the Faculty if they did not remove their academic probation at the end of the Fall semester 2002-03 or if they were not admitted into a major by the end of the Fall semester 2002-03.

Thirty students were dropped from the Faculty because of poor academic standing end of Sept. 2002.

Appropriate letters specifying the probation status of the student were sent in October 2002 to the following categories of students:

	<u>Number of Students</u>
a. Students who removed probation	113
b. Students placed on probation	122
c. Students on continued probation	84
d. Students on strict probation	18

The following picture represented the probation status of the above mentioned students in March 2003:

a. Students who removed probation	88
b. Students placed on probation	124
c. Students on continued probation	68
d. Students on non-strict continued on probation	51

Irregular Loads

Permission to take less than 12 credits was granted by the Committee to graduating students, students in their first semester at AUB, Freshman students, students with health or family problems and students working for a second degree and holding jobs.

Graduating students who were not on probation were also permitted to take more than 18 credits (up to 21 credits) either in their last semester or the semester that precedes it. The Committee decided that students whose cumulative average is 75 or above may take up to 21 credits either in their last semester that precedes it.

Incomplete Grades, Grade Changes, Correction of Record

Requests for make-up of incomplete work (missed final examination) were approved for students with health problems and family mishaps.

Requests for change of grade were considered only for evidenced calculation or recording errors. The Committee honoured all correction-of-record requests from students which were due to advising and/or registration mistakes.

D. RECOMMENDATIONS

It is recommended that since grades reported as 'X' or 'I' without a numerical grade contribute to delays in computing semester averages, Professors should be asked to abide by the grading system as presented in the AUB Catalogue 2002-2003 in order to avoid delays in Probation and Dean's Honor lists.

Cancellation of courses should be avoided after the drop and add period. Such cancellations result in changes of schedules which the Committee has to deal with, and, most of the times, the Committee finds itself in a *fait accompli* situation whereby it has to make exceptions against its better judgement.

The Committee has been trying to find alternatives for students who have failed a course three times. This is done in coordination with the Chairperson of the department concerned.

The Committee still urges all advisors to follow closely the performance of their advisees. Such continued follow-up would ensure that students are aware of the rules and regulations of the Faculty, and would thus cut down considerably on the resources of the Committee.

Much of the Committee's work this year was related to cases where students exceeded the allowed loads (e.g., students taking 20 credits without the permission of the Committee, and students on probation taking more than their permissible loads). It is recommended that SIS should identify such practice and stop it immediately. It is hoped that the new regulations governing maximum load as of October 2003 will alleviate the problem.

As far as probation rules are concerned, the Committee recommends that the Registrar's Office provide it with lists of students on probation not later than a week after the end of a semester or summer session. A mechanism should be adopted by the Registrar's Office whereby frequent errors, which such lists usually contain, be amended.

The Committee held several meetings to discuss the cases of students with very poor academic records for possible dismissal from the Faculty. The guidelines which were followed were to dismiss from FAS all non-Senior students whose average is below 68.2

and/or who have been placed on academic probation for two semesters after their receipt of warning letters issued by the Committee.

The Committee recommends that it be enabled to dismiss students from FAS after the fall semester of any academic year. The present rules, which do not allow this automatically, give the student an extra semester. The Committee sometimes foresees that and dismisses students, according to rules and regulations, without giving them an extra semester in order to avoid giving them a whole year.

The Committee reinforced the rules relating to majorless status by asking all students who have not joined a major by the end of their third semester to do so or else face dismissal from the Faculty. Several of those students who received such warnings took serious steps towards joining a major.

R. Baalbaki
A/Chair

ADMISSIONS COMMITTEE

A. MEMBERSHIP

Chairman: K.M. Bitar, Dean

Members:

- V. Behmardi, Assistant Professor (2004)
- S. BouJaoude, Professor (2003)
- J. Koons, Assistant Professor (2004)
- H. Mohtasib, Associate Professor (2004)
- R. Sadaka, Assistant Professor (2003)
- T. Christidis, Associate Professor, Member of the University Admission Committee, Physics (2003)
- S. Elfakhani, Professor, School of Business (till Feb. 2003)
- S. Kanaan, Director of Admissions
- L. Knio, Student Record Officer, attends all meetings of the Committee.

B. COMMITTEE POLICIES

The Committee continued to use the school grades of applicants for the last two full school years as well as their SAT I scores to generate a “composite score” which is used to determine their eligibility for admission in line with the Senate proposals.

As of this year, Admissions are restricted to FAS since School of Business now has a separate Admission Committee.

C. COMMITTEE ACTIONS

1. The Committee held 19 meetings during the academic year 2002-2003.
2. The Committee approved postponements of admission for the second semester.
3. The Committee kept on allowing sophomore applicants to have their admission major changed to another choice of major indicated in their applications if their SAT and CMS scores satisfy the requirements of the requested major.

Undergraduate Admission:

1. Mid-year admission (Spring 2002-2003): Out of 81 applicants to the Freshman class, the Committee accepted 34, and out of 218 applicants to the sophomore class, the Committee accepted 75 AS and 48 SB. The distribution of accepted (AS) applicants is shown in table I.
2. First Semester Admission (2003-2004): The Admissions Committee of the Faculty of Arts and Sciences has reviewed and acted upon applicants to the undergraduate admissions. Out of 805 Freshman applicants, the Committee accepted 499. Ten Children

of Alumni, Faculty and Staff have been admitted to the Freshman class on the basis of Special University criteria. Out of 2139 applicants to the Sophomore class, the Committee accepted 1238. Fourteen children of Alumni, Faculty and Staff have been admitted to the Sophomore Class on the basis of Special University criteria. The Committee also offered unspecified choice of major admission to 62 applicants who do not satisfy all the requirements for the indicated choices while their SAT and CMS scores are equivalent to or above the cut off score. The distribution of accepted applicants is shown in Table II.

3. The Committee, in January 2003, accepted 172 applicants (137 Sophomore and 35 Freshman) who qualified for early admission (EA) to undergraduate study for the academic year 2003-04, as stated in the AUB catalogue 2002-2003, p. 29.
4. The Faculty of Arts and Sciences recommended admitted applicants for consideration as candidates for the AUB “Merit Scholarship”.
5. The committee continued admitting students coming from the different tracks of the Lebanese Baccalaureate will be admitted to any major in FAS but are asked to take certain supplementary courses for no credit, if they choose a field of study different from their Baccalaureate track. For example, students coming from the literary track may go into a science major if they complete the Freshman Science requirements for their chosen major.
6. The Committee approved the granting of credits, based upon the grades and topics covered, for AP, GCE-AL in addition to IB holders who opt to apply to the Freshman class.
7. The Committee agreed that transfer students will be admitted at the Junior level if they have completed the equivalent of 60 credits including Freshman. However, those who are short of few credits may still be admitted. All students will be notified, upon admission, of the total number of credits considered satisfied. A total of 120 credits (including Freshman) are needed for graduation. All transfer students are required to satisfy departmental requirements and the Civilization Sequence courses. Exemption from any required course (including Arabic) will be determined on a course-by-course basis by the various departments after registration.
8. The Committee also agreed that the English Language Proficiency Requirement (ELPR) will only be required from those coming from institutions of higher learning where the language of instruction is not English.
9. It was recommended that the approved updated requirements for transfer within the Faculty (interdepartmental and transfer of Freshman to majors) be included in the AUB catalogue of 2002-03. See Table III & IV.
10. UPP Admission: As of October 2002, the University Preparatory Program (UPP) has been launched. This program prepares applicants to take SAT (both parts, verbal and mathematical reasoning). For the academic year 2003-04, the Committee has admitted 19 out of 33 applicants to UPP. After completion of this program applicants will be considered for regular admission.

It was agreed that consideration of UPP applicants must be dependent on the high scores (AV 800) calculated similar to regular applicants.

D. RECOMMENDATIONS

The Committee, once more, requires that filing “Form 3” in the application folder be mandatory for all applicants. The information to be given on this form includes the average of the class, the average of the applicant, the applicant’s rank in class and the number of students in that class. School records submitted in any other form **must not be accepted**. The Committee realizes that a few applicants will still be at a disadvantage when their school records are standardized against the general averages and standard deviations, hence such cases should be individually reviewed.

K.M. Bitar
Dean of the Faculty

Table I

**Distribution of Accepted Sophomore Applicants
Spring 2002-2003**

MAJOR	ACCEPTED
Arabic	-
Archaeology	-
Biology	20
Chemistry	8
Computer Science	11
Economics	6
Education	1
English Language	1
English Literature	-
Geology	-
History	-
Mathematics Arts	1
Mathematics Science	6
Petroleum Studies	4
Philosophy	1
Physics	4
Political Studies	2
Psychology	-
Public Administration	5
Sociology and Anthropology	2
Statistics	-
<u>Unspecified Major Choices:</u>	
A+S-BC: Arts or Sciences except Biol. and CSC.	-
A+S-BCE: Arts or Sciences except Biol., CSC. And Econ.	3
A-E: Arts except Econ	-
TOTAL	75

January 31, 2003

Table II

**Distribution of Accepted Sophomore Applicants
Fall 2003-2004**

MAJOR	ACCEPTED
Arabic	-
Archaeology	4
Biology	320
Chemistry	72
Computer Science	258
Economics	199
Education	15
English Language	3
English Literature	8
Geology	3
History	1
Mathematics Arts	2
Mathematics Science	59
Petroleum Studies	27
Philosophy	2
Physics	52
Political Studies	45
Psychology	47
Public Administration	52
Sociology and Anthropology	3
Statistics	4
<u>Unspecified Major Choices:</u>	
A+S-BC: Arts or Sciences except Biol. and CSC.	13
A+S-BCE: Arts or Sciences except Biol., CSC. And Econ.	45
A-E: Arts except Econ	4
TOTAL	1238

August 26, 2003

ADVISORY COMMITTEE

A. MEMBERSHIP

Chairman: K.M. Bitar, Dean

Members:

- Abdel Rahman, Abdel Fattah, Geology (2004)
- Abi Khuzam, F., Mathematics (2004)
- El Eid, M., Professor, Physics (2003)
- Jurdak, M., Professor, Education (2003)
- Makdisi, S., Professor, Money & Banking (2003)
- Dajani, N., Professor, S.B.S. (2003)

B. COMMITTEE POLICIES

During 2002-2003, policies and procedures on faculty recruitment, promotion, and outside employment were implemented.

C. COMMITTEE ACTIONS

The Committee advised the Dean on matters related to faculty appointments, renewal or non-renewal of contracts, recommendations for promotion, requests for sabbatical or leaves of absence without pay, and outside employment. Below is a summary of the main actions taken:

1. A total of 16 applications for sabbatical and/or leaves of absence without pay were considered.
2. A total of 12 recommendations for promotion were considered: 8 to the rank of associate professor and 4 to the rank of professor. 7 faculty members were promoted to Associate Professor and 2 to Professor.
3. 457 Departmental recommendations for full-time faculty appointments for 2003-2004 were considered. A total of 33 applicants were sent offers, of whom 26 accepted and 23 will join the faculty in October 2003 and 3 in February 2004.
4. The Committee considered departmental recommendations for renewal or non-renewal of contracts of all full-time faculty members.
5. Consultation by the Dean about the department chairmanships which expired on June 30, 2003 were conducted. These departments were: Economics, Education, Computer Science, Philosophy, PSPA, SBS, CVSP. Appointments of new chairs or renewals will now commence on September 15, 2003 to be in line with new budget years of the University.
6. Several applications for appointment as Visiting Scholar (“Associate”) or Post-Doctoral Fellow were considered.

K.M. Bitar
Dean of the Faculty

CURRICULUM COMMITTEE

1. MEMBERSHIP

Acting Chair:

Butcher, K., Professor, History and Archaeology

Members:

Aintablian, S., Assistant Professor, Institute of Financial Economics (2004)

Bouz, G., student representative (2004)

Safieh Garabedian, B., Associate Professor, Biology (representing the Academic Development Committee) (2004)

Haddad, J., Associate Professor, Mathematics (2004)

Henningsen, M., Assistant Professor, Education (2003)

Isber, S., Assistant Professor, Physics (2004)

King, D., Assistant Professor, Social and Behavioral Sciences (2004)

Koons, J., Assistant Professor, Philosophy (2003)

Lyzzaik, A., Professor, Mathematics (representing the Academic Development Committee) (2004)

Malek Labban, S., Assistant Registrar (for the Registrar, ex officio)

2. COMMITTEE POLICIES

The Committee followed the general guidelines outlined in the by-laws of the faculty of Arts and Sciences, and the regulations stipulated in the University Catalogue.

3. COMMITTEE ACTIONS

1. The Committee held 11 meetings during the academic year 2002-2003. In addition, some matters were discussed and voted on by e-mail. The Committee discussed revisions to the curriculum, new courses, changes of course descriptions, student petitions, and the proposal for the re-introduction of a Department of Fine Arts.
2. Some 38 students and faculty petitions were brought before the Committee. Most were petitions for course equivalences. The number is considerably fewer than last year and no doubt reflects the fact that the list of approved courses outside the Faculty has now been removed (see Annual Report 2001-2002, p. 17, item 3). The new Course Equivalence Form introduced in the Fall Semester of 2002-2003 has helped standardize these requests and greatly facilitated discussion and processing of such cases. A few requests concerned the

old curriculum versus the new curriculum. The Committee adhered to the policy (see minutes of meetings of January 23 and 30 2002) of approving requests by students who entered their major in Summer or Fall 2001 to follow the new curriculum, but not those entering in Spring 2001 or before.

3. A new Faculty of Arts and Sciences Honors Program was approved (Vote 2003-2). This proposal envisages that students who are on the Dean's Honor List in their Junior or Senior year will be able to undertake research with a member of Faculty in their Senior year.
4. The CC discussed the proposal for re-establishing the Department of Fine Arts. This suggested that two majors, one in Fine Arts and the other in Art History, be initiated first. The CC's main concerns centered around the number of credits in the major that both proposed majors required. In their proposed form the majors required more courses in the major than any other in the Faculty of Arts and Sciences (54 cr.). The Committee suggested various ways to reduce the number of credits in Art such that the majors resembled others in FAS (see minutes of 9 December 2002).
5. Two new Minors were approved: the Minor in Translation (inter-disciplinary, between the Departments of Arabic and English) (Vote: 2002-89); and the Minor in Economics (Vote: 2002-104).
6. The CC approved the following new courses: *Center for Arab and Middle Eastern Studies*: MEST 310 (Early Islam: People, Places, Problems) and MEST 311 (Daily Life in Beirut During World War II) (Vote: 2003-6). *Political Studies and Public Administration*: PSPA 301 (Research Methods and Techniques) (Vote: 2003-10); PSPA 313 (Diplomacy) (Vote: 2003-11); PSPA 352 (Policy and Administration); 353 (Administration Development Policy); 354 (Administrative Ethics) (Vote: 2003-12); PSPA 361 (Comparative Public Budgeting) (Vote: 2003-13); PSPA 371 (Comparative Human Resource Management and Development) (Vote: 2003-14); PSPA 372 (Non-Profit Management) (Vote: 2003-15); PSPA 380 (E-Governance and E-Administration) (Vote: 2003-16). *Social and Behavioral Sciences*: SBHS 264 (Gender and Culture) (Vote: 2003-18); SBHS 215 (Child Abnormal Psychology); SBHS 303 (Adult Psychotherapy) (Vote: 2003-22).
7. The CC approved the revised graduate curriculum of Department of Political Studies and Public Administration (Vote 2003-17).
8. The CC approved a modified list of philosophy courses to satisfy the humanities requirement (Vote: 2002-91), and revised course descriptions for CVSP 229A (Pottery and Ceramics) and CVSP 229 B (Advanced Pottery and Ceramics) (Vote: 2003-23).

4. RECOMMENDATIONS

1. It was noted that some Faculty are still petitioning the Committee directly, without going through the Academic Officer in the Dean's Office. In order not to delay such petitions all were considered along with petitions that had gone through the proper channels, but the CC recommend that all such petitions henceforth go through the Academic Officer.

2. In view of the fact that the University Catalogue no longer specifies a list of courses that may be taken outside the Faculty, and students may take for credit elective courses outside the Faculty as long as the prerequisites are satisfied and, in some cases, prior approval of the Faculty member concerned is secured, it is recommended that students taking such courses do not need to petition the CC.
3. With regard to the re-establishment of a Department of Fine Arts, it was recommended that the number of credits required to be taken in the major department be reconsidered for the majors in Fine Arts and Art History, to bring them into line with other majors in FAS. It was suggested that in any reformulation of the Proposal attention should be given to the matrices for majors in Arts and Sciences which are presented in the University Catalogue, as these provide a general guide to the distribution requirements and the number of credits required.

K. Butcher
A/Chair

GRADUATE COMMITTEE

A. MEMBERSHIP

Acting Chair:

Wafic Sabra, Associate Professor, Physics

Members:

Talhok, Rabih, Associate Professor, Biology (2003)
Shaaban, Kassim, Professor, English (2003)
Neaime, Simon, Associate Professor, Economics (2003)
Labban, Sylvia, Registrar's Office

B. COMMITTEE ACTIONS

The Committee held more than 12 meetings during the academic year 2002-2003. The Committee discussed all applications to graduate study.

The Committee approved thesis proposals, project proposals, extensions of thesis duration and removed student from probation. In addition, the Committee considered transfer of graduate students from one program to another as well as the transfer credits. A summary of this activity is given in the following table.

TOTAL GRADUATE APPLICATIONS

	Fall 2002-03	Spring 2002-03	Summer 2002-03
APPLICANTS	695	265	57
APPLICATIONS	1150	391	85

TOTAL GRADUATE ACCEPTANCES INCLUDING ACCEPTED ON PROBATION

	Fall 2002-03	Spring 2002-03	Summer 2002-03
APPLICANTS	544	196	28
APPLICATIONS	777	262	36

ACCEPTED ON PROBATION

	Fall 2002-03	Spring 2002-03	Summer 2002-03
APPLICANTS	133	29	8
APPLICATIONS	174	39	11

DETAILS BY MAJORS (APPLIED/ACCEPTED/REGISTERED)

COLL_CODE1	MAJR_CODE1	Fall 2002-03	Spring 2002-03	Summer 2002-03
AS	ANTH	3/1/1	3/0/0	//
AS	ARLL	2/1/0	//	//
AS	AROL	3/2/0	//	//
AS	BIOL	29/27/6	12/11/7	1/0/0
AS	CHEM	21/18/10	7/6/1	//
AS	CMPS	41/21/18	10/2/1	//
AS	ECON	22/4/2	3/0/0	1/0/0
AS	EDUC	45/25/15	13/8/5	5/0/0
AS	ELED	18/15/11	4/4/2	2/0/0
AS	ELEM	1/0/0	//	//
AS	ELIT	8/6/3	4/2/2	1/0/0
AS	ELNG	9/8/7	3/2/1	3/0/0
AS	FINE	67/43/20	22/17/10	6/0/0
AS	GEOL	3/3/1	//	//
AS	HIST	4/3/0	4/3/1	//
AS	MATA	1/1/0	5/2/0	//
AS	MATS	18/11/7	4/2/1	1/0/0
AS	MEST	26/18/5	14/10/4	//
AS	PHIL	1/1/1	//	//
AS	PHYS	20/14/3	8/7/3	//
AS	POLS	21/9/4	15/11/4	//
AS	PSYC	15/12/8	7/1/0	2/0/0
AS	PUBA	11/6/2	4/1/0	1/0/0
AS	SOGY	4/3/2	2/0/0	//
AS	STAT	4/0/0	1/0/0	//

W. Sabra
A/Chair

LIBRARY COMMITTEE

A. MEMBERSHIP

Acting Chairperson:

King, Diane, Assistant Professor, Social and Behavioral Sciences (2003)

Members:

Al-Jadir, Lina, Assistant Professor, Math & Computer Science (2004)

Haydar, Bashshar, Assistant Professor, Philosophy (2004)

Sadowski, Yahya, Associate Professor, Political Studies and Public Administration (2004)

University Library Committee:

Darwiche, Nadine, Associate Professor, Biology (2004)

Seikaly, Samir, Professor, History, (2003)

B. COMMITTEE POLICIES

Not applicable.

C. COMMITTEE ACTIONS

The committee mainly directed its energies toward collection development for Jafet Library. With support from the committee, H. Sayegh, Collection Development Librarian, set up a Library Liaison program with FAS departments. Faculty liaisons in the departments encouraged the other faculty of their departments to request the purchase of new materials for the library, promoted the use of electronic databases, and otherwise liaised between the library and the departments. By the end of the academic year the program was underway and being fine-tuned, with improvements anticipated for next year.

D. RECOMMENDATIONS

The FAS Library Committee recommends that the university administration make every effort to improve the university's libraries, especially Jafet Library. Jafet serves the whole campus and should be, in many ways, the centerpiece of university life. We believe the physical infrastructure, ranging from the library's holdings to its building, are inadequate for a university of this size and mission. In addition, users and staff would benefit from more staff resources, from additional personnel to training opportunities. If a thorough, professional study

of AUB's libraries has not been done recently, we think it should be undertaken as soon as possible. We would then like to see the needs that are identified factored into the Master Plan and other plans for AUB's future.

D. King
A/Chair

RESEARCH COMMITTEE

A. MEMBERSHIP

Acting Chair:

Ahmad Nasri, Professor, Math. & Computer Science (2003).

Members:

Ghassan Beydoun, Assistant Professor, Math. & Computer Science (2004)

Jean Fares; Assistant Professor, Philosophy (2004)

John Meloy, Assistant Professor, History and Archaeology (2004)

Hala Mohtaseb, Associate Professor, Biology (2003)

Gregg Osborne, Assistant Professor, Philosophy, (2004)

Richard Smith; Assistant Professor, SBS (2003)

Abdulrahim Abu-Husayn, Professor, History & Archeology, URB representative

Hazar Abu Khuzam, Professor, Math. & Computer Science, URB representative

B. COMMITTEE POLICIES

The Committee followed the general guidelines outlined in the by-laws of the Faculty of Arts and Sciences, and the research applications guidelines set by the Office of the Provost. In reviewing URB proposals, the following guidelines were used from the ongoing policy established in 2001:

1. Group proposals (of large budget exceeding \$10,000) will be sent to reviewers from outside the AUB community (and Lebanon) and should be studied more carefully than general proposals.
2. General proposals (small budget of less than \$10,000) will be reviewed by faculty members from within the AUB community. In exceptional cases and/or upon the request of the applicant(s), external reviewers can be consulted.
3. Renewal proposals will be subject for review
4. The reviewers' comments will be sent to the applicant(s).
5. Applicant(s) should submit three copies of their proposals with the names of two possible reviewers. These will be added to the list of reviewers chosen by the committee before final selection. Applicants for Group proposals MUST send (by e-mail to the Acting Chair) an electronic version of their proposals in addition to the three hard copies.

For the evaluation of other types of proposals such as those submitted to LNCSR, TWAS, CEDRE or other agencies, the following new policy was adopted:

1. Proposals seeking external funding must be submitted to the Dean's office long enough before their deadlines.
2. The Committee scheduled a weekly meeting at the Dean's office to review submitted proposals. This weekly meeting was announced to the faculty at the beginning of each semester.
3. The committee needs at most two weeks to act on any proposal.

C. COMMITTEE ACTIONS

1- **Review Policy:** The Committee adopted the previously established URB review policy with the following modifications:

1. Applicants who received URB grants for the past two years were asked to send a one page final report indicating the outcome of their grants.
2. The committee decided to review the start-up proposals (those submitted in the Fall 2003 by new faculty members) since these were only reviewed by the committee.
3. The committee reviewed renewal proposals based on the publication record of the applicant from previous URB grants and other merits.
4. The committee decided to group proposals into different categories, based on the reviewer's comments, merit and applicant publication record, with these categories being (high to low): A, A/B, B, B/C, and C. Proposals ranked in the lowest categories will receive "no" or "least" funding. The Committee will decide on the budget cut for each rank on a yearly basis.
5. Budgets were revised to filter out items that are not acceptable by the URB. The committee can decide on the final budget of each proposal after taking into account several factors including reviewers comments, category of the proposal, needs, justifications, etc.

2- **Review Form:** Before starting the review process, the committee revised the review form in light of the experience gained from the past two years. The objective was to better engage the reviewers in the review process and to avoid the use of an inefficient score system. A modified version of the review form was adopted, that is now more efficient, reliable, and requires from the reviewer clear justification for each section in the form. Without justification, his/her evaluation can not be taken by the committee.

3- **Implementation of the review process:** The committee adopted the review process and the way to select the reviewers for each application. For general proposals and wherever applicable, one reviewer will be chosen from a list provided by the applicant(s) and another from a list chosen by the Committee. The committee should be aware of the lists but the final selection of reviewers will be made by the Acting Chair,

without necessary revealing their names. This makes it easier to review applications more objectively, especially those submitted by members of the committee. For confidentiality, speed of processing and other reasons, the review process will be fully electronic. Proposals were sent in hard copies to reviewers who can download the review form from the committee's web page. Reviewers were asked to send their reviews by e-mail to the Acting Chair. The committee will forward the reviews back to applicants after removing the identities of the reviewers.

- 4- **Web page:** The committee updated the web page of the committee. The names of new members who joined the committee were added, the newly established policy, the new review form, and a list of funding agencies were also posted.
- 5- **URB Applications:** A total of 36 URB applications were submitted. Newly recruited faculty members submitted 6 of these applications for start-up grants during the academic year 2002-2003. The remaining 30 applications (17 new among which 2 are group proposals, and 13 renewals) were considered for possible funding during the fiscal year 2003-2004. The majority of the applicants were from the Science Departments (27 of them). All applications were evaluated according to the guidelines outlined above.
- 6- **International and Local Funding Agencies:** Several applications submitted to LNCSR, TWAS, CEDRE, and other funding agencies were reviewed by the committee during its weekly meeting.

D. RECOMMENDATIONS

With URB grants becoming more competitive, it is natural that low priority proposals may not get funded. Therefore, a more transparent evaluation process should be adopted. As applicants become aware of this policy, they can target complete proposals and avoid procedural issues that may jeopardize their chance of getting funded.

The following recommendations, some of which were included in last year report, can help avoid such problems in the future:

1. The committee urges the URB to set a uniform policy for all matters pertaining to the evaluation and the review process. It is true that the review process is becoming somehow uniform across all Faculties, but it was noted that so far, different faculties follow different evaluation processes. One main issue to be addressed is how to evaluate budgets (see suggestions below). Another issue is uniformity in the amount of money eligible for research assistants and how many RAs can proposal includes. Apparently, different research committees are using different guidelines.
2. It appears that the start-up grants are easy money to get and they give false impression about how serious and competitive URB proposals are. The committee recommends that all such proposals be subject to a review procedure and be granted based on merits only. In order to implement this, the URB should announce upfront

such a policy and provides more time for the committee to accomplish the review process.

3. Since new faculty are not clear about the parameters of the start-up grants, the committee suggests that before applications are submitted, the URB can set up a meeting whereby the general review/evaluation policies are introduced.
4. The evaluation of budgets is very essential. The committee recommends that ALL items, even the request of a part-time research assistant or other kind of work, be fully justified. For any item that costs above 500USD, a kind of proof indicating such costs must be included in the proposal. Without itemized, justified and convincing budget, it may not be possible to approve proposal's budget. The issue of whether justification can come from itemized budgets ONLY is to be revisited next year.
5. It should be possible to contact applicants whenever needed to answer any question pertaining to their budgets or other matters related to the merits of their proposals.
6. Several members missed the deadline of submission for URB proposals this year. The Committee was asked to respect the deadline. To avoid such a problem, the Committee recommends that either the URB or the Committee itself send a reminder at least 1-2 week(s) prior to the deadline.
7. The committee recommends that a full electronic submission and review process be adopted. This would facilitate the implementation of the evaluation of the URB proposals given the time constraints set by the URB. A part-time research assistant is highly needed to help implementing this.
8. The committee recommends, if time permits and whenever deemed necessary, to send the reviewers comments to the applicant who will be given a chance for a rebuttal before a final decision can be made.
9. The committee also recommends that the URB establish a more detailed policy pertaining to joint proposals across Faculties.

A. Nasri
A/Chair

STUDENT AFFAIRS COMMITTEE

A. MEMBERSHIP

Acting Chairman:

Kassim Shaaban, Professor, English (2003)

Members:

B. Haydar, Assistant Professor, Philosophy (2004)
M. Khattar, Assistant Professor, Biology (2004)
C. Rhoder, Associate Professor, Education (2004)
M. Tabbal, Associate professor, Physics (2004)
G. Baydoun, Assistant professor, Mathematics (2004)
Dean of Students

B. COMMITTEE POLICIES

The charge of the Committee is set in paragraphs b,c,d, and e of section 10 of the By-Laws of the faculty of Arts and Sciences dated June 16, 1977 and approved by the Board of Trustees on June 27, 1977. The Committee continues to operate in accordance with guidelines established by these paragraphs.

In addition, the Committee follows in its consideration of disciplinary actions the regulations governing such actions as amended in its meeting of March 23, 1982.

C. COMMITTEE ACTIONS

Three cases were referred to the Student Affairs Committee during the academic year 2001-2002. One case was resolved without the need to take any action. In the other two cases, the Committee took the appropriate action, in accordance with the by-laws, and made its recommendations to the Dean of the Faculty.

D. RECOMMENDATIONS

In light of the increase in the number of reported incidents of plagiarism, the Committee recommends that all professors include a statement on plagiarism in their syllabi in order to impress upon their students the seriousness of such an offense.

Another Committee recommendation is that there should be consistent policies across faculties and some clear cut procedures regarding the jurisdiction over cases involving

students. Thus, it is the belief of the Committee that if a student is accused of committing an offense in a certain course, the committee of the faculty in which the course is offered should be in charge of looking into the case rather than the faculty to which he/she belongs.

A third recommendation, relating to the procedure of filing a complaint by the teacher against a student, is that the teacher should provide the Committee with all the evidence available to him at the time of making the complaint.

K. Shaaban
A/Chair

PART C

REPORTS

OF

ACADEMIC UNITS

DEPARTMENT OF ARABIC AND NEAR EASTERN LANGUAGES

A. SUMMARY OF PROGRAMS

This year, there have been several rounds of APT, taken by 857 students, of whom 272 (31.74%) were placed at the primary level (201A), 209 (24.39%) were placed at the intermediate level (201B), and 376 (43.87%) were placed at the advanced level (211 or above)]. Furthermore, the Department's program for a minor in Arabic has continued to attract students.

The Department, in collaboration with the English Department, introduced a minor in translation, as a first step in this important domain. The requirements for this minor are as follows: (Required number of credits: 15)

I. Required Courses:

1. Arabic 225 (Translation; 3cr.)
2. Arabic 226 (Translation; 3cr.)
3. English 233 (Introduction to Translation; cr.)
4. English 248 (Special Topics in English Language: Contrastive Analysis; cr.)

II. One Elective (to be chosen from the following courses):

1. Arabic 211 (Survey of Arabic Grammar; 3 cr.)
2. Arabic 212 (Survey of Arabic Grammar; 3 cr.)
3. English 231 (Modern English Grammar; 3cr.)
4. English 247 (Discourse Analysis; 3 cr.)

The Department is also planning to introduce a new course in Syriac in order to increase its offerings of Semitic languages and thus provide students with a comparative background to the study of Arabic.

B. PERSONNEL

1. Faculty Members

Abu Jawdeh, Siham	Lecturer	Ph.D.
Agha, Saleh Said	Associate Professor	Ph.D.
Al-Gibali, Alaa	Professor**	Ph.D.
Baalbaki, Ramzi	Professor	Ph.D.
Behmardi, Vahid	Assistant Professor	Ph.D.
El-Zein, Abd al-Fattah	Lecturer*	Doctorat (3 ^{ème} cycle)
Ghosn, Amina	Instructor	Doctorat (3 ^{ème} cycle)

** Visiting Professor, Fall Semester 2002-2003

* Part-time

Heath, Peter	Professor	Ph.D.
Jarrar, Maher	Associate Professor***	Ph.D.
Jeha, George	Lecturer*	Ph.D.
Khairallah, Asaad	Professor	Ph.D.
Makarem, Sami	Professor	Ph.D.
Saab, Nada	Instructor	M.A.

2. Research Assistants

Malti, Samir		M.A.
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3. Graduate Assistants

First Semester

Al-Khalidy, Sara
 El-Sheikh, Mazen
 Mechtawi, Mariam
 Nasser, Shady
 Orfali, Bilal
 Sleem, Badr
 Semaan, Rima

Second Semester

Al-Khalidy, Sara
 Mechtawi, Mariam
 Nasser, Shady
 Orfali, Bilal
 Sleem, Badr

4. Non-Academic Staff

KaidBey Hamadeh, Rana	Secretary	
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C. TEACHING

1.	<u>Number of Graduating Majors</u>		
	B.A	-	Oct. 2000 -0
		-	Feb. 2001 -0
		-	June 2001 -0
	M.A.		4
2.	<u>Number of Majors</u>		
	Graduates		13
	Seniors		1
	Juniors		0
	Sophomores		0

*** Part-time, Sabbatical Leave (Fall & Spring 2002-2003)

3. Student Enrollment in Courses

	<u>Summer</u> <u>2000</u>	<u>1st Sem.</u>	<u>2nd Sem.</u>	<u>Total</u>
Courses numbered 300 and above	0	13	15	28
Courses numbered 211 through 299	0	258	199	457
Courses numbered 200 through 210	0	300	347	647
Courses numbered below 200	0	30	29	59
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	0	601	590	1191

4. Number of Credit Hours Offered

Courses numbered 300 and above	0	6	6	12
Courses numbered 211 through 299	0	30	24	54
Courses numbered 200 through 210	0	42	39	81
Courses numbered below 200	0	3	3	6
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	0	81	72	153

D. RESEARCH

Abu-Jawdeh, Siham

1. Literary critical movement in its inclination towards historical as well as impressionist criticism, in addition to general literary criticism between 1920-1945, in Lebanon, as represented by: Boutros Al Bustani, Fouad Frem Al-Bustani, Maroun Abboud, and others. In progress.
2. The poetical movement as manifested in romanticism and symbolism, the first represented by Elias Abu-Chabakeh and the second by Said Akl. In Progress.
3. The narrative genre in its various types, themes and styles between the two World Wars 1920-1945, as well as the basis of its two major figures, Tawfiq Youssif Awwad and Khalil Takieddine. In progress.

Agha, Saleh S.

1. "The °Abbāsid odyssey in Samāwah—an endeavor less high-minded than portrayed." (In progress).
2. "The quantitative method in Islamic Studies can get out of hand: a case in point." (In progress).
3. "Nasr Ibn Sayyār: a veteran of tribal discord transformed into a seer, a statesman: a reformer and a symbol of compassionate (or pragmatic) Arabhood." (In Progress).
4. *Insaf (equity) in Pre-and-Early-Islamic Poetry: An Anthology and a Study*. This project envisages three products: (a) a pilot article, in English, heralding; (b) a book, a comprehensive annotated anthology of *Insaf* with an analytical study; and (c), a translation thereof.
5. "Sa°d ibn Nāshib, : a professional poet or an angry loser?!" (writing stage).
6. Preparing for publication my paper, "Holistic Poetic Imagery", presented at the a/m Paris conference on "The Gaze".

7. "Rā'iyat Tha'laba ibn 'u'ayr: one of the oldest surviving archetypal Arabian odes?" (In progress).
8. "Did the Arabs in Umayyad Khurāsān form a disenfranchised agrarian society with a taxable landed aristocracy?" (Research in progress).
9. The Umayyad Establishment: a natural successor to the Madinan Establishment (Research in progress).
10. "The way of all flesh: the fate some of the *nuqabā' banī al-Abbās* met with (In progress).
11. The Arabian ode: a study in the pattern-generating power of the interplay between geography and artistic expression (Long term, cumulative, in progress).

Baalbaki, Ramzi

1. "Theoretical coherency versus pedagogical attainability: The conscious bias of Arab grammarians". To be published in the Festschrift of Heinz Grotzfeld, Münster.
2. "Ibn Duraid". Entry to be published in *Encyclopaedia of Arab and Muslim Scholars*.
3. "Visual influences on Arabic linguistic sciences." Paper accepted for publication by the Maison des Sciences de l'Homme, Paris, 20-23 Sept. 2001.
4. Completion of *al-Mawarid al-Akbar*, a Major English-Arabic lexicon started by Munir Baalbaki. Due to appear in October 2003.
5. "Some considerations of word order in *kana* constructions." Paper accepted for publication in *Revue Roumaine de Linguistique*.
6. "Lexical etymology and the position of Arabic within the Semitic languages." Paper accepted for publication in *Revue de la lexicologie*.
7. "From burden to asset: Morphological change in the Arabic tradition." In progress.
8. "asl", "bina", and "tamyiz". Three lemmas written for the *Encyclopedia of the Arabic Language*, Leiden.
9. "Grammarians and the Grammatical Theory in the Medieval Arabic Tradition." Ashgate Publishing Limited, U.K. Due to appear in January 2004.

Behmardi, Vahid

1. *Risalat al-Suluk* by Siyyid Kazim al-Rashti, Ed. with notes and introduction. (Completed after additional critical editing was made on the basis of two newly obtained manuscripts from the library of Princeton University).
2. *The Arabic Letters of Qa'im Maqam al-Farahani*. Ed. with analytical introduction and notes. (Ready for publication)
3. A Note on the Roots of Sheikh Hadi Najmabadi's Reformist Ideology (Complete).
4. *A Compilation of the Arabic Poems of Jalal al-Din Rumi [Mawlavi]*, with an introductory literary analysis. (In final editorial stages)
5. *Sharh al-Qasidah al-Khamriyyah* of Ibn al Farid by Dawud al-Qaisari, Ed. with English translation and analytical study. (In progress)
6. *Al-Khitab al-Dini al-Siyasi lil-Shaykh Fadl'u'llah al-Nuri* [The Religio-Political Discourse of Sheikh Nuri on Islam and Civil Constitutionalism]. (In progress)
7. *The Twelve Elegies of Sheikh Ahmad al-Ahsai Lamenting Imam Husayn*, ed. with analytical introduction and notes. (In final editorial stages)
8. *Badi al-Zaman al-Hamadhani: Some New Observations*. (In progress)

Ghosn, Amina

1. A creative play of three Acts. Title: Thus Don Quixote Spoke.(In press).
2. Paper on Salah Abdul Sabur's play. Accepted for publication in "Thaqafa" 5th issue, University of Bahrain, Spring 2003.

Khairallah, Assaad

1. Modern Arabic Poetry: Prophecy, Metapoetry, Snapshots.
2. This is an analysis of the Arabic poetic scene in the 20th century, trying to present a synthesis that will help explain what made Modern Arabic poetry so different from its own tradition, while preserving its identity in face of the great influences from the West. I hope to submit it for publication at the end of 2003.
3. Working on the subject of "The Body in the Younger Arabic Poetry", to be given at the **Sexuality Conference** at the AUB, Dec 5-7, 2003
4. Preparing for publication "Hudā Barakāt and her Antiheroes", a paper given at the EMTAR Conference on "Identities remembered, discovered, invented - Heroes and character in Modern Arabic Narrative", Bonn, 6-9 June 2001.
5. "ash-Shi'r al-'arabī al-hadīth fi l-lugha al-almāniyya: Hādiruh wa mustaqbaluh" (Modern Arabic Poetry in the German Language: Its present and future), within the Acts of the Conference on Germany and the Arab World, held at al-'Ayn University, United Arab Emirates, October 2001. Has been readied for the press.

E. OTHER STAFF ACTIVITIES

Abu-Jawdeh, Siham

Writing the biography of some prominent Lebanese poets to be published in "Babtin Dictionary for the Nineteen and Twentieth century Arab Poets".

Agha, Saleh S.

1. Member of Task Team 6, on Integrity, AUB Self-Study (2002-)
2. Member of the Faculty of Arts and Sciences Administrative Committee (2001-3)
3. Advisor for three graduate students, and member of the examining committees of others.

Baalbaki, Ramzi

1. Delivered a paper at the Colloquium on Arabic Linguistics, organized by Center for Arab Studies, Bucharest University, 2-4 June 2003.
2. Delivered a paper at the Conference on Historical Lexicography, organized by the Lexicographical Association. Tunis, 6-8 June 2003.
3. Associate Dean, Faculty of Arts & Sciences.
4. Acting Chairman, Administrative Committee, FAS.
5. Chairman, Dept. of Arabic & NEL.
6. Member of the AUB Commencement Committee.
7. Member of Task Team 11, on Liberal Education, AUB Self-Study (2002-).

Behmardi, Vahid

1. Member of Arts & Sciences Admissions Committee, AUB. Oct. 2002-present.
2. Library Liaison of the Department of Arabic & Near Eastern Languages, AUB. Dec. 2002-present.
3. Coordinator of Arabic Placement Tests for the University Arabic requirements, AUB. Sep. 2001-present.
4. Academic Advisor, Department of Arabic & Near Eastern Languages, AUB. Oct. 1999-present.
5. Advisor for three graduate students at the Department of Arabic & Near Eastern Languages, AUB (two were granted an MA degree in June 2003), and a member of the examining committee of an MA thesis at CAMES, AUB.

Ghosn, Amina

1. Attended a conference about women and creativity in Cairo, Egypt where I delivered a paper entitled: "Ishraqat Fi al-^cUhr al-Muqaddass": Venus Khoury Gatta in "La Maestra". Oct: 20-25, 2002, Cairo, Egypt. Paper will be published by al-Majlis al-A^cla Lil thaqafa.
2. Attended a conference in Bahrain as a poetry critic. Mu'assasat Abdel Aziz Su'ud Al-Babtin Bahrain Sept 30-Oct 5, 2002.
3. "Amin Nakhle : Sha'ir al-Ghiwaya wal Intiqa'iya," *Kitab Mi'awiyyat al-Milad wal Rahil* , Mu'assasat abdel Aziz Su'ud al-Babtin (Kuwait – Jan 6-10, 2002).

Khairallah, Assaad

1. Chair of the Senate's Publication Committee (2001-2002) and member until
2. October 2003.
3. Adviser to the Poetry Club, AUB.
4. Member of the Advisory Committee of the Anis K. Makdisi Program in Literature, AUB.
5. Editor of *Al-Abhath*, Journal of the Faculty of Arts and Sciences, AUB (since March 1998).
6. Member of the Board of Directors of the Lebanese National Archives Foundation (1999-2002).
7. Member of the Advisory Committee of the literary and intellectual Journal, *Kitābāt Mu'āsira* (Beirut, Lebanon).
8. Member of the Editorial Board of the *Journal of Middle Eastern and North African Intellectual and Cultural Studies* (Binghamton University, N.Y.).
9. Founding Member of the newly founded EURASMAL (European Association for the Study of Modern Arabic Literature), and Committee member for its Research Program for the coming six years.
10. Participated in the Yūsif Habchī al-Ashqar Colloquium, LAU, and moderated a round table.
11. Helped organize the first Anis Makdisi Symposium on Globalization (Dec.16, 2002) and chaired a session.
12. Helped organize the First Anis Makdisi Memorial Lecture, May 20, 2003, and introduced the lecturer, Edwār al-Kharrāt.

13. Organized and moderated a discussion session with Edwār al-Kharrāt, Nicely 409, May 19, 2003.
14. Participated in a round table with Edwār al-Kharrāt, published in the Literary Supplement of al-Nahar, June 2003.
15. Wrote a short homage at the occasion of the 50th issue of *Kitābat Mu'āsira*. No. 50 (June-July, 2003), p. 11.
16. Moderated the lecture and discussion of Prof. Susanne Stetkeych, June 23, 2003.
17. Chaired the 5th Session and presented a paper entitled, "Intertextual Strategies in Rashīd al-Da'īf's Novel, *Insay as-Sayyāra*", at the EMTAR Colloquium, Intertextuality in Arabic Literature since 1967 (in Cracow, Poland, 7-10 May, 2003).
18. Moderated the first session and presented a paper entitled, "Al-Majnūn: from 'Udhri Heroism to Bodily Indulgence", at the Colloquium, When Love Kills, at the Institute for Advanced Studies (Wissenschaftskolleg) in Berlin (1-2 July, 2003).
19. M.A. THESES:
Reader and member of the examining committee of two M.A. theses:
Ms. Rima Semaan (February 2003)
Mr. Shadi Nasser (June 2003).

F. PUBLICATIONS

Agha, Saleh

1. *The Revolution which Toppled the Umayyads –neither Arab nor Abbasid*, Leiden, E.J.Brill (Islamic History and Civilization, 50), 2003. xxxviii, 408 pp. [ISBN: 90 04 12994 4].
2. "Poetry and identity in the Umayyad age," (Saleh Said Agha and Tarif Khalidi) *Al-Abhath* 50-1 (2002-3) pp. 55-120.

Baalbaki, Ramzi

1. "Ilhaq as a Morphological Tool in Arabic Grammar," *Journal of Arabic and Islamic Studies*, vol.4 (2002), pp. 1-25.
2. "al-Ma'na wa-aqasam al-Kalim fi l-turat al-nahwi al-^carabi," *Revue de la lexicologie*, vol. 17 (2002), pp.3-30.

Behmardi, Vahid

1. 'Djemal Pasha and the Syrian Protestant College During World War I', *Al-Abhath*, vol. 50-51 (2002-2003), pp. 135-159.
2. 'The Arabic Love Poetry of Jalal al-Din al-Rumi', *Etdes Litteraires*, vol. 39-40 (2002-2003), pp. 40-61.
3. 'A Historic Letter by Abu al-Fadl Gulpaygani to Muhammad Mustafa Baghdadi' [previously unpublished], *Safinat al-'Irfan*, (Darmstadt), vol. 5 (2002), pp. 242-248.
4. 'An Unfinished *Mathnavi* Poem by Nabil Zarandi' [previously unpublished], *Safinat al-'Irfan*, (Darmstadt), vol. 5 (2002), pp. 237-241.
5. 'A Brief Account of Four Points in the Epistle to the Son of the Wolf', *Safinat al-'Irfan*, (Darmstadt), vol. 5 (2002), pp. 169-188.

Khairallah, Assaad

1. "Die blutige Strasse zum Paradies. Der Märtyrertod in der islamischen Bildersprache," **Islamstudien Ohne Ende**. Festschrift fuer Werner Ende zum 65. Geburtstag. Hrsg. Rainer Brunner, Monika Gronke, Jens Peter Laut und Ulrich Rebstock. (DMG, Abhandlungen für die Kunde des Morgenlandes, Bd. LIV, 1). (Würzburg: Ergon Verlag, 2002), S. 239-249.
2. "The Way of the Cross as a Way of Life: Metropolitan Georges Khodr's Hope in Times of War", in: **Religion between Violence and Reconciliation**. Ed. Thomas Scheffler (Beiruter Texte und Studien, vol. 76). (Beirut/Würzburg: Ergon Verlag, 2002), pp. 481-495

G. FUTURE DEVELOPMENT

The Department still hopes that its proposal of a Ph.D. program, which has been approved by the Committee that looked into Ph.D. programs at A.U.B., be approved by the Board of Trustees. The needs of the Department for this program were detailed in its proposal, and they include recruiting faculty members in the fields of Modern Arabic Literature, Classical Arabic Literature, and Language. The delay in approving this proposal is frustrating both for members of the department in their recruiting efforts and for students, at AUB and elsewhere, who are eagerly awaiting the reintroduction of this program.

The demand for "Arabic as a Foreign Language" is steadily growing and the Department hopes to expand its offerings in this area. Students majoring in Arabic now form the backbone of the Summer Arabic Program which is run by CAMES.

R. Baalbaki
Chair

DEPARTMENT OF BIOLOGY

A. SUMMARY OF PROGRAMS

The Biology Department maintained its high research productivity and outcomes, and looks forward to further advancements and improvements. Its prosperous graduate program and the growth in its research activities have attracted many students from AUB and from other Universities in Lebanon or the Middle East to pursue graduate studies in the department. This has translated into an increase, of around three folds in the pool size of graduate applicants for this academic year.

The graduate seminar hosted many guest speakers who are prominent scientists in their field: These are:

1. Dr. Alireza Bagheri, M.D. University of Tsukuba, Japan
Ethics in Biomedical Research: The Researcher's Responsibility.
2. Dr. Osman El-Maari. Institute of Experimental Hematology, University of BONN, Germany.
Establishment and Maintenance of Paternal Imprints on Human Chromosome.
3. Dr. Jacques Mokhbat. Division of Infectious Diseases, AUB
Assessment of the Current Status of HIV Infections and AIDS in Lebanon.
4. Dr. Christopher Brett. Institute of Biomedical and Life Sciences, University of Glasgow, United Kingdom.
Building the Plant Cell Wall: Mechanisms of Cell Wall Polysaccharide Assembly.
5. Dr. Pierre Rizkallah. CCLRC Daresbury Laboratory, United Kingdom.
Opportunistic Use of Sugars for Biological Defense.
6. Dr. Lytton Musselman. Department of Biological Sciences, Old Dominion University, Virginia, USA.
Dichogamy in Hydnora: Sex Lives of the Strangest Plants

Dr. Lytton Musselman gave also another lecture entitled: "George Edward Post: Pioneer Botanist of the Middle East" on May 26, 2003 in Van Dyck Amphitheatre, AUB.

Dr. Steve Harakeh joined the Department this academic year as an Assistant Professor in Virology.

A geneticist, namely Dr. Claudia Walter joined the Department as a Visiting Assistant Professor for the Spring semester.

In an attempt to revive the field of marine biology in the Department, two courses in this field have been offered during Spring semester by Dr. Michel Bariche.

The teaching microbiology lab has been refurbished into a state-of-the art teaching lab and many of its equipment were upgraded.

The undergraduate and graduate lecture rooms in the department (room 004 and 002) have been equipped with a full set of different audiovisual aids and changed into smart rooms.

The Natural History Museum (NHM) hosted 425 visitors from different schools in Lebanon. The NHM received most of the equipment that was ordered on the ASHA grant. This equipment is believed to improve drastically, the potential of the Museum in research and education, and attract more and more visitors. The curation and organization of the Peyron collection of exotic beetles started and the project is expected to be completed in the coming two or three years. Dr. Dani Azar donated to The Natural History Museum a valuable collection of carabid beetles identified to the species and subspecies levels. Around one hundred specimens of bees and wasps, identified to the species level by experts at the Natural History Museum of London, were also incorporated into our insect collection.

B. PERSONNEL

1. Faculty Members

Baydoun, Elias	Ph.D.	Professor
Dagher, Shawky	Ph.D.	Associate Professor
Darwiche, Nadine	Ph.D.	Associate Professor
Gali-Muhtasib, Hala	Ph.D.	Associate Professor
Knio, Khuzama	Ph.D.	Associate Professor
Kreydiyyeh, Sawsan	Ph.D.	Associate Professor and Chairperson
Safieh-Garabedian, Bared	Ph.D.	Associate Professor
Talhok, Rabih	Ph.D.	Associate Professor
Harakeh, Steve	Ph.D.	Assistant Professor
Khattar, Medhat	Ph.D.	Assistant Professor
Walter, Claudia	Ph.D.	Visiting Assistant Professor
Sadek, Riyad	Ph.D.	Lecturer
Tarraf, Charbel	Ph.D.	Lecturer
Hajjar, Layanne	M.S.	Instructor
Rizkallah, Hind	M.S.	Instructor
Sinno Saoud, Nada	M.S.	Instructor

2. Part-timers

Abdel-Massih, Roula	Ph.D.	Lecturer
Bariche, Michel	Ph.D.	Lecturer
Khachfe, Hassan	Ph.D.	Lecturer
Al-Zein, Mohammad	B.S.	Assistant Instructor
Kassem, Issmat	B.S.	Assistant Instructor

3. Research Assistants

Abdul-Latif Malaeb, Lina	B.S.	
Abou-Ltaif, Ghada	B.S.	
Chammas, Gisele	B.S. – 1st Semester	
Daou, Nadine	B.S.	

El-Najjar, Nahed	B.S.
Ghantous, Zeina	B.S.
Kabbout, Mohamed	B.S.
Zournajian, Houry	B.S.

4. Graduate Assistants

Wassim Abou Kheir ¹	Ralda Nehme ¹
Lina Abi Mosleh ¹	Tarek Najdi ¹
Abou-Tayyoun, Ahmad ²	Rabih Seifeddine ¹
Nael Alami	Rawad Hodefy ²
Ali Al-Jouni	Hiba Moukadem ²
Samer Bazzi	Khaled Moussawi ²
Chalfoun, Antoine ²	Omar Rahhal ²
Taha Deeb	Yester Skayian ²
Malak Esseili	
Pamela Fernainy	
Humam Kadara ¹	
Sarine Markossian ¹	
Leila Mozahem	

5. Non-Academic Staff

Assad, Najeh	- Lab Aide
Bandikian, Anny	- Secretary
Hannoun, Victor	- Store-keeper
Ibrahim, Hana	- Senior Lab Technician
Masri, Imad	- Assist. Technician

C. TEACHING

1. Number of Graduating Majors

B.S.	- Oct. 2002 -	9
	- Feb.2003 -	23
	- June 2003-	108
M.S.	-	16

2. Number of Biology Majors

Graduates	-	31
Seniors	-	166
Juniors	-	153
Sophomores	-	185

¹ First Semester only

² Second Semester only

3. Student Enrollment in Courses

	Summer 2002	1st Sem.	2nd Sem.	Total
Courses numbered 300 & above (399)		54	66	120
Courses numbered 211 thru 299	70	694	638	1402
Courses numbered 200 thru 210	25	481	411	917
Courses numbered below 200	-	116	60	176
	<hr/>	<hr/>	<hr/>	<hr/>
	95	1345	1175	2615

4. Number of Credit Hours Offered

Courses numbered 300 & above	-	15	19	34
Courses numbered 211 thru 299	19	55	62	136
Courses numbered 200 thru 210	8	15	15	38
Courses numbered below 200	-	7	7	14
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	27	92	103	222

D. RESEARCH

Baydoun, Elias

1. Haladjian, N., Fayad, R., Toufeili, I., Shadarevian, S., Sidahmed, M, **Baydoun, E.**, Karwe, M. 2003. PH, temperature and hydration kinetics of faba beans (*Vicia faba L.*). *Journal of Food Processing and Preservation*. In press.
2. Ayoub, G., Saikaly, P., El-Fadel, M., **Baydoun, E.** 2003. The impact of step-feed on COD and BOD₅ removal in rotating biological contactors. Submitted for publication.
3. Barbour, EK., Banat, G., El-Riyachi, Z., **Baydoun, E.**, Talhouk, R., Farran, M., Farran, OM. 2003. Quantitative assessment of fimbriae-specific serum and egg yolk antibodies induced in chicken layers by a newly developed live *Salmonella enteritidis* vaccine and relationship to infection. Submitted for publication.
4. **Baydoun, E.**, Pavlencheva, N., Cumming, C., Waldron, K., Brett, C. 2003. Control of diferulate cross-linking in pectins from sugar-beet tissues. Submitted for publication.
5. Purification and significance of assemblins, proteins controlling plant-cell-wall assembly. Supported by URB. Research in progress.
6. Control of phenol cross-linking in cell walls of food plants. Research in progress.

Darwiche, Nadine

1. Darwiche, N. Mechanism of N-(4-Hydroxyphenyl)Retinamide (HPR)-Induced Growth Arrest and Apoptosis in Human T Cell Lymphotropic Virus Type I-Transformed Cells and Malignant T Cell Lines. Research carried out in collaboration with Dr. Ali Bazarbachi, and Dr. Ghassan, Dbaibo, FM. Supported by URB.

2. Darwiche, N. Retinoic acid and N-(4-Hydroxyphenyl)Retinamide (HPR) treatment of adult T-cell leukemic (ATL) cells: Effect on retinoid receptor and NF- κ B signaling pathways.
3. The mechanism of action and development of novel therapies for HTLV-I associated adult T-cell leukemia/lymphoma. Principal investigator: Dr. Ali Bazarbachi, FM. Co-investigator: Dr. Nadine Darwiche.
4. **Darwiche, N.**, Hatoum, A., Dbaiho, G., Nasr, N., Abou-Lteif, G., Bazzi, R., Hermine, O., de Thé, H. and Bazarbachi, A. N-(4-Hydroxyphenyl) Retinamide Induces Growth Arrest and Apoptosis in HTLV-I Transformed Cells. Submitted.
5. Kabbout, M., Hatoum, A., Abou-Lteif, G., Chakroun, I., Homaidan, F. and **Darwiche, N.** Stage-Specific Effect of N-(4-Hydroxyphenyl)Retinamide on Cell Growth in Squamous Cell Carcinogenesis. Submitted.
6. **Darwiche, N.**, Bazzi, H., El-Touni, L., Abou-Lteif, G., Maalouf, S., and Gali-Mohtasib, H. Effect of ultraviolet irradiation on activator protein-1 signaling in primary keratinocytes and its modulation by retinoids. In preparation.

Gali-Muhtasib, Hala

1. **Gali-Muhtasib, HU**, Diab-Assaf, M. and Haddadin, MJ. Quinoxaline 1,4-dioxides Induce G2/M Cell Cycle Arrest and Apoptosis in Human Colon Cancer Cells. The mechanism of growth inhibition of colon cancer cells by quinoxaline dioxides was examined. The work studied in particular, if drug treatment induced changes in TGF or ERK expression, cell cycle progression and/or programmed cell death in T-84 human colon cancer cells. Submitted for publication. Funded by the URB and the Royalties of the Beirut Reaction.
2. **Gali-Muhtasib, HU**, Sidani, M., Diab-Assaf, M., Haddadin, MJ., Geara, F. and Zaatari, G. Quinoxaline 1,4-dioxides are Novel Angiogenesis Inhibitors that Potentiate Antitumor Effects of Ionizing Radiation. The hypoxia selectivity, anti-angiogenic and radiation modifier activities of two quinoxaline dioxides in lung carcinoma and mammary adenocarcinoma cells were examined. In addition, it was sought to determine if these drugs inhibit angiogenesis and potentiate radiation effects *in vivo* using the LLC / black C57BL6 mouse tumor model. In preparation. Funded by the URB and LNCSR.
3. Bioprospection: an alternative for sustainable agricultural development in Lebanon. The aim of this project is to investigate the anticancer potential of extracts from Indigenous Lebanese Plants. Funded by the Mercy Corps/ Lebanon Program and USDA.
4. Chemical characterization and assay of anticancer activities of essential oil components from Lebanese Sage. The aim is to determine the bioactive components responsible for the observed anti-tumor promoting effects of the oil extract of sage. This is achieved by screening for anti-proliferative activity against cancer cell lines when the components are applied alone or in combination. Funded by the International Foundation for Science.
5. Mechanisms of colon cancer inhibition by plant tannins: effect on colon cancer cell lines. The work will study the effects of tannins on human xenografted colon tumors and their ability to modulate cell cycle phase distribution and apoptosis in *in vivo* and *in vitro* models of colon cancer. The deciphering of the cellular and molecular mechanisms of action of tannins is the first important step required for design of effective strategies for the use of these drugs in chemoprevention. Funded by CEDRE. Collaborator: Dr. Marie-Pierre Gaub (INSERM, France).
6. Evaluation of Thymoquinone's Therapeutic Effects against Colon Cancer. This project is initiated to elucidate TQ's effects on key mediators of apoptosis using cDNA array analysis. First, the aim is to establish the toxicological effects of TQ and determine its therapeutic

effects in Balb/c mice using the 1,2-dimethylhydrazine (DMH) mouse model of colon carcinogenesis. Second, using the same methodological approach (cDNA apoptosis array), TQ's effects on HCT116 cell line will be determined. Funded by DFG (Deutsche Forschungsgemeinschaft). Collaborator: Dr. Regine Schneider-Stock (Germany).

Harakeh, Steve

1. **IBSAR project: Evaluating the microbiological efficacy of certain Lebanese plants.** This work is conducted in collaboration with Drs: Hala Mohtaseb, Marwan El- Sabban, Elie Barbour and Salma Talhouk. Funding from a grant from Ohio, USA. Work is in progress.
2. **Evaluation of the efficacy of novel compounds against environmental and laboratory grown bacteria and viruses.** This work is in collaboration with Dr. Elie Barbour. Funded by URB. Work is in progress.
3. **Participatory approach towards integrated coastal zone management in Lebanon: opportunities for socio-economic growth and environmental protection.** This work is in collaboration with Dr. Mutasem El- Fadel and is funded by a grant from USAID. Work is in progress.
4. **Harakeh, S., Afifi, R., Nassar, N., Tfaily, R., Zananiri, N., Ali-Hassan, R., Allam, J.S., Bassim, M., Bou Aram, B., Harkous, B. and Nashawi, T.** Knowledge, Attitude and Behavior of AUB students regarding mad cow disease". *The Science of the Total Environment*. In press, 2003.
5. **Harakeh, S.** Malek Batal and Barbour, E. Nutritional consequences related to "Mad Cow Disease" among homemakers and medical care practitioners in Lebanon. *Ecology of Food and Nutrition*. In press, 2003.
6. Eid, F. and **Harakeh, S.** Dental Policies in Lebanon. Paper in preparation.
7. **Harakeh, S., Afifi, R.** et al. Awareness of Lebanese Housewives and medical care practitioners about "Mad Cow Disease". Paper in preparation.
8. **Harakeh, S.** and Eid, F. Governmental policies related to Mad Cow Disease. Paper in preparation.
9. **Harakeh, S.** Mohtaseb, H. and El- Sabban, M. The molecular mechanism of apoptosis induction by 2-benzoyl-3-phenyl-6, 7-dichloroquinoxaline 1, 4-dioxide (DCQ). Paper in preparation.

Khattar, Medhat

1. New temperature-sensitive alleles of *ftsZ* in *Escherichia coli*. **Medhat Khattar**, Duncan Whitaker, Shane Sturrock, William D. Donachie, Elaine Small and Stephen Addinall. In preparation.
2. Isolation and characterisation of a new temperature-sensitive division mutants in *Escherichia coli*. In progress. Supported by URB and LNCSR Funded by LNCSR . Persons involved: Hadi Yassine and Issmat Kassim.
3. Antimicrobial activities of components of the essential oil of Lebanese Sage. Completed and manuscript to be written. Supported by URB and LNCSR. Persons involved: Rudeina Haidar.
4. Genetics and molecular basis of mecillinam resistance in *E. coli*. In progress. Supported by URB. Persons involved: Lina Malaeb.

Knio, Khouzama

1. **Knio, K.**, N. Markarian, A. Kassis, and N. Nuwayri-Salti .Mosquito species of Lebanon. Paper in preparation.
The research focuses on the current status, taxonomy and distribution of the mosquito species in Lebanon, with emphasis on the vector of malaria. Funded by URB grant.
2. Insect diversity in selected sites of the Lebanese coast. Paper in preparation. Funded by the Darwin Project.
This study investigates the diversity of insects in association with plant diversity, along the coast of Lebanon. Joint project with Dr. Salma Talhouk.
3. Larvicidal properties of plant essential oils against mosquito larvae. Work in progress. Funded by URB grant. Joint project with Dr. Shawky Dagher.
This study investigates the toxic effects on *Aedes caspius* mosquito larvae of essential oils extracted from plants endemic to the Middle East. Oil extracts of cinnamon, anis, bitter lemon fruit peels, bitter lemon leaves, coriander, thyme, parsley, and clove were tested against the fourth instars of *A. caspius*.
4. Comparative studies of the cryptic fruit flies, *Chaetostomella cylindrica* and *C. lurida*, infesting thistles in Lebanon. Work at initial exploratory stage. **Knio, K.** and M. El Zein.
This research project involves the redescription of *Chaetostomella lurida*, and its comparison with its cryptic species, *C. cylindrica*, involving morphological, genetic, and behavioral studies of the two closely related species.

Kreydiyyeh, Sawsan

1. **Kreydiyyeh, S.I.**, Usta, J. , Knio, K., Markossian, S. and Dagher, S. Aniseed oil increases glucose absorption and reduces urine output in the rat. Submitted.
This work demonstrated that aniseed oil exerts an anti-diuretic effect and enhances glucose absorption and $\text{Na}^+\text{-K}^+\text{ATPase}$ activity in the rat jejunum, but not in the rat colon.
2. **Kreydiyyeh, S.I.**, and Al-Sadi, R. The signal transduction pathway that mediates the effect of interleukin-1 beta on the $\text{Na}^+\text{-K}^+\text{ATPase}$ in LLC-PK₁ cells. Submitted.
IL-1 β was shown to reduce the activity and protein expression of the $\text{Na}^+\text{-K}^+\text{ATPase}$ in LLC-PK₁ cells. The effect was mediated through a stimulation of the MEK/ERK pathway which activates NF- κ B leading to an increase in COX-2 expression and PGE2 release. PGE2 in turn inhibits NF- κ B and reduced the protein expression of the $\text{Na}^+\text{-K}^+\text{ATPase}$.
3. Usta, J., **Kreydiyyeh, S.I.**, Barnabe, P., Bou-Mouglabay, Y. and Nakkash-Chmaisse H. Comparative study on the effect of cinnamon and clove extracts and their main components on different types of ATPases. In press
The effects of extracts of cinnamon and clove and their main ingredients on the activity of various ATPases were investigated. Water extracts of cinnamon and clove inhibited the activity of rat liver $\text{Na}^+\text{/K}^+\text{ATPase}$, and $\text{Cu}^{++}\text{-ATPase}$, but stimulated $\text{F}_0\text{F}_1\text{ATPase}$. Similar effects were obtained with cinnamaldehyde and eugenol. These effects are due to shared structural and functional similarities between the P and the CPx classes of ATPases .
4. **Kreydiyyeh, S.**, Abou-Chahine, C. and Hilal-Dandan, R. Interleukin-1 β inhibits $\text{Na}^+\text{-K}^+\text{ATPase}$ activity and protein expression in cardiac myocytes. In preparation.
This work showed that IL-1 β inhibited fully and partially the activity of the $\text{Na}^+\text{-K}^+\text{ATPase}$ in the left and right ventricle respectively. A dose and time-response study conducted on isolated cardiac myocytes confirmed the inhibitory role of the cytokine. Both MEK and p38MAPK were shown to be involved in the signaling pathway activated by the cytokine.

5. Effect of different doses of PGE2 on water absorption from the colon and on the activity and protein expression of colonic Na⁺-K⁺ATPase. **Kreydiyyeh, S.**, Markossian, S. (In progress; final stage). Supported by URB.
PGE2 was found to increase water absorption from the rat colon at high doses and reduce it at low doses. This was correlated with a change in Na⁺-K⁺ATPase activity and protein expression.

Sadek, Riyad

1. Continued the survey and ecological study of Lebanese amphibians and reptiles concentrating on Ecology of some frogs and toads.
2. **Sadek, R.A.**, Knio, K., Baydoun, E., Hraoui-Bloquet, S. and Zreik K. Comparison between populations of *Lacerta laevis* and *L. cf. Kulzeri* in Lebanon using allozyme electrophoresis. In preparation.
3. **Sadek, R.A.**, Hraoui-Bloquet, S. Thermal and feeding ecology of high altitude populations of the skink *Mabuya vittata* in Lebanon. In preparation.
4. Darwish, M.R., R.Rahhal and **R.A. Sadek**. Economics of protected areas: the case of Al-Shouf Cedar Reserve of Lebanon. *Resource Conservation and Recycling*. In Press.
5. Haddad, N., Leger, N. and **Sadek, R.** Les Phlebotomes du Liban : Inventaire Faunistique. *Parasite*. In Press.

Safieh-Garabedian, Bared

1. **Safieh-Garabedian, B.**, Ochoa-Chaar, C. I., *Poole, S., Massaad, C.A., Atweh, S.F., Jabbur, S.J. and Saadé, N.E. Thymulin reverses inflammatory hyperalgesia and modulates the increased concentration of proinflammatory cytokines induced by intracerebroventricular endotoxin injection. *Neuroscience*. In press.
2. Safieh-Garabedian, B. The study of neural immune interactions: The model of Endotoxin-induced inflammatory hyperalgesia. Ongoing project (LNCSR).
3. Safieh-Garabedian, B. Direct and indirect effects of thymulin on the nervous system. Ongoing project (CEDRE).
4. Safieh-Garabedian, B. The role of thymulin in regulating IL-10 production in animal models of inflammation. Ongoing project (URB).

Sinno-Saoud, Nada

1. Musselman, L.J. & **Sinno -Saoud, N.** Types of George Post in the Post Herbarium (BEI) of the American University of Beirut and the Botanical Garden of Geneva (G). *Turkish Journal of Botany*. In press.
2. Involved in a research project with Dr Stephen Jury (University of Reading) and Dr. Khuzama Knio (AUB) on the distribution and taxonomy of Anemone coronaria and its variants. The aim of the work is to understand the variation and causes that occur in Anemone coronaria and to apply the correct names to the variants of A. coronaria that can be recognized.

Talhok, Rabih

1. Calcium signalling during mammary epithelial cell differentiation and the role of gap junctions. Funded by URB.
2. Role of epithelial cells in host-pathogen interaction: Establishing a cell culture model. This project is in collaboration with Dr. Medhat Khattar, Biology Dept, and Dr. Marwan El-Sabban, Human Morphology Dept, FM. Supported by LNCSR.
3. Co-investigator on a grant in collaboration with FAFS and Ohio State University to study Medicinal Plants in Lebanon. Anti-inflammatory, analgesic, and anti-tumor effects of the plant extracts will be addressed. Approved proposal, year 3, renewable.
4. **Talhok, R.S.**, Elble, R., Bassam, R., Daher, M., Sfeir, A., Pauli, B. and M. E. El-Sabban 2003. Developmental expression and regulation of connexins in the murine mammary gland: Expression of Connexin 30 during pregnancy. In preparation.
5. B. Safieh-Garabedian, G. M. Mouneimne, W. El-Jouni, and **R. Talhok**. 2003. The effect of endotoxin (ET) on functional parameters of mammary CID-9 cells in culture. In preparation.
6. **Talhok, R.S.**, Tarraf, C.G., A. Shaito, L. Kobrossy, El-Sabban, M. 2003. ECM-Cell Interaction and Cell-Cell Communication in Rat Granulosa Cell Differentiation. In preparation.
7. El-Sabban, M., Abi-Mosleh, L., **Talhok, R.** 2003. Role of Gap junctions in mammary gland development. "Adhesion systems in the control of mammary gland morphogenesis and function". *Journal of Mammary Gland Biology and Neoplasia*. **Review. In preparation.**
8. Bazarbachi, A., Abou-Merhi, R., Gessain, A., **Talhok, R.**, El-Khoury, H., Nasr, R., Gout, O., Sulahian, R., Homaidan, F., de-The', H., El-Sabban, M.E. HTLV-1 infected cells extravasate through the endothelial barrier using a local angiogenesis-like mechanism: implications for invasion and metastasis. Submitted, J. Blood.
9. Park, C.C., Henshall-Powell, R.L., Erickson, A.C., **Talhok, R.**, Parvin B, Bissell, M.J., Barcellos-Hoff, M-H. Ionizing Radiation Induces Heritable Disruption of Epithelial Cell Interactions. Submitted, PNAS.
10. **Talhok, R.S.**, Karam, C., El-Jouni, W., and Barbour, E.K. Anti-inflammatory Bioactivities in Plant Extracts. Submitted, J. of Ethnopharmacology.
11. Barbour, E.K., Al-Sharif, M., Sagherian, V., Talhok, S., **Talhok, R.**, and Saliba, R. Antimicrobial and Immunopotiation Activities of Lebanese Herbal Extracts. Submitted.
12. Barbour, E.K., Sagherian, V., Talhok, S., **Talhok, R.**, Farran, M., Sleiman, F.T. and Sabra, R. Evaluation of homeopathy in broilers exposed to live viral vaccines and administered *Calendula officinalis* extract. Submitted.
13. **Talhok, R.S.**, Saade, N, Mouneimne G.M., Masaad, C.A., Safieh-Garabedian, B. Growth hormone releasing hormone reverses endotoxin-induced localized inflammatory hyperalgesia without reducing the upregulated cytokines, NGF, and gelatinase activity Submitted.
14. El-Sabban, M., Sfeir A., Daher M., Kalaany, N., Bassam, R., and **Talhok R.** Gap Junctional Communication Induces κ -Casein Expression in Mammary Epithelial Cells in the Absence of Cell/ECM interaction. J. Cell Science. In press.
15. C. Tarraf, M. El-Sabban, R. Bassam, M., Beyrouthy, J. Chamoun, and **R. Talhok**. Functional consequence of exposure to dieldrin on mammary development and function. Food Additives and Contaminants. In press.
16. Barbour, E.K., Sagherian, V., Talhok, S., **Talhok, R.**, Farran, M., Sleiman, F.T. and Sabra, R. Impact of *Melissa officinalis* – extract administration in broilers on immune responses to viruses and performance. American Holistic Veterinary Medical Association Journal. In Press.

Tarraf, Charbel

1. Functional consequence of exposure to dieldrin on mammary development and function.

The effect of dieldrin (Dln) on the development of the mammary gland and on functional parameters of CID-9 mammary cells in culture was investigated. One-month-old Sprague Dawley female rats were bred and injected intra-peritoneal with 2.5 μ M Dln or 15 μ M Dln during the last trimester of their gestation period. Mammary glands of 15 μ M Dln treated rats showed immature alveolar structures by day 18 of gestation and abundant adipose tissue. Dln treated rats had lower number of pups, and the weight of pups between days 14-31 of age compared to non-treated rats was significantly lower. Long term exposure of CID-9 mammary cells, cultured under non-differentiation conditions, on plastic, or under differentiation permissive conditions, dripped with EHS-matrix, to 5 μ M or 25 μ M Dln, was detrimental to cell growth. The short term effect of Dln exposure (up to 9 hrs) on CID-9 cells, under the same culture conditions, did not affect their α -casein mRNA levels, but induced apoptosis, down regulated gap junction intracellular communication and induced IL-6 and TNF- α expression.

The abstract is for the paper in press to be published in Food Additives and Contaminants.

C. Tarraf, M. El-Sabban R. Bassam, M. Beyrouthy[¶], J. Chamoun[¶], and R. Talhouk.

The work was supported by the LNCSR and URB. In press.

2. Characterization of gap junctional intercellular communication in the rat polycystic ovary.

In order to characterize gap junctional intercellular communication (GJIC) in the polycystic (PC) ovary, the localization and regulation of Cx43, 45, 32, and 26 in normal and PC rat ovaries was studied. The effect of androstenedione (A) on GJIC and differentiation of primary rat granulosa cells (GCs) *in vitro* was also investigated. Both A concentrations dose-dependently induce growth arrest, increased progesterone (P) production in GCs cultured on plastic or EHS-drip. These are all indicative properties of a more luteinized phenotype in GCs. The gap junction protein Cx43 had a punctate membranous staining under all culture conditions. However, Cx43 protein levels were dose-dependently upregulated in response to A on either matrices. Since P and GJIC were both increased in response to A, the role of GJIC in mediating the increases differentiation of GCs was investigated. Inhibition of GJIC by 18- α GA in GCs treated with A'dione caused partial inhibition of the increased P production caused by A'dione, indicating a possible role of GJIC in mediating the action of A on GC differentiation.

C. Tarraf, M. El-Sabban, and R. Talhouk, Layla Kobrossy, Abdallah Shaito.

Supported by URB. In preparation.

3. Characterization of membrane-associated guanylate kinase homologs (maguks) in granulosa cells of the rat ovary.

Cell to cell communication between ovarian cells is essential for the proper development and function of the mammalian ovarian follicle. This is mediated primarily *via* gap junctions. Gap junctions are intercellular channels joining the cytoplasm of two neighboring cells, and allowing the transfer of small molecules and second messengers up-to one kD. It is well established that gap junctions play a major role in the proper development and maturation of the ovarian follicle. Appropriate junctional communication is needed for oocyte differentiation, maintenance of an estrogenic environment, and resumption of meiosis after fertilization. Impaired gap junctional intercellular communication results in several abnormalities regarding oocyte maturation, ovulation, and hence fertility. While connexin protein complexes comprise the core structure of the gap junction, non-connexin proteins also play a role through binding to and associating with the connexins. Membrane-associated

guanylate kinase (MAGUK) family of proteins are often found at sites of cell-cell contact and may function to couple extracellular signaling pathways with the cytoskeleton. The MAGUK family includes ZO-1, ZO-2 and SAP 102.

The aim of this study is to identify the MAGUKs that are possibly associated with connexin-43 in rat granulosa cells in vivo and in vitro.

C. Tarraf, M. El-Sabban, and R. Talhouk, and N. Daou. In preparation.

E. OTHER STAFF ACTIVITIES

Baydoun, Elias

1. Organized and chaired a conference on Bioethics: How to Adapt Biotechnology to Culture and Values. Beirut, Lebanon 1-2 March 2003.
2. Was granted the Developing World Study Visit Award, The Royal Society, United Kingdom, 2002.
3. Participated in the TWAS 8th General Conference and 13th General Meeting, New Delhi, India 19-23 October, 2002 and served as a Rapporteur for the lectures given by the recipients of TWAS and TWNSO Awards .
4. Participated in the Satellite Symposium on Medicinal Plants “Strategies for Development of Herbal Drugs in the Third World Countris”, New Delhi, India, 19 October, 2002.
5. Participated in the Group of 77 High-Level Conference on Science and Technology, Dubai, UAE 27-30 October, 2002.
6. Participated in the Bio-rad event on the “State of the Art on Real Time PCR and Proteomic/Protein Purification and Identification.
7. Served as a coordinator for ALECSO project on “Surveying and identification of date palm varieties in the Arab World”.
8. Supervisor of a PhD student in collaboration with the University of Glasgow and of MSc students.
9. Member of COSTED-AraBN.
10. Member of the Biochemical Society
11. Fellow of the Institute of Biology
12. Fellow of the Third World Academy of Sciences

Darwiche, Nadine

1. Member of the Central Research Science Laboratory Committee of the FAS.
2. Member of the University Senate and the Faculty of Arts and Sciences Library Committee.
3. Member of the Interfaculty Graduate Program in Nutritional Sciences.
4. Member of the Initiative for Biodiversity Studies in Arid Regions (IBSAR).
5. Academic Advisor Biology Department.
6. Member of the Middle State Commission for Accreditation: Self-Study Task Force Team on Administration.
7. Member of the Biology Department Graduate Curriculum Review Committee.
8. Supervised the MSc. thesis projects of Ms. Lara El-Touni. Graduated in July 2002.
9. Supervised the MSc. thesis projects of Mr. Mohammad Kabbout. Graduated in August 2002.
10. Currently supervising the MSc. thesis projects of Mr. Humam Kadara, Mr. Tarek Najdi, and Mr. Ahmad Abou-Tayoun.

11. Member of the committee of the MSc. thesis of Mr. Wassim Abou Kheir, Mr. Mohammad Al-Zein, Mr. Wissam Fayyad, Mr. Nael Alami, Ms. Rania A Maroun, and Mr. Raja A Aldeen.

Gali-Muhtasib, Hala

1. Acting referee for the Journal of Pharmacy and Pharmacology.
2. Acting referee for the Journal of Drug Discovery Today.
3. Member of the Organizing Committee of the Workshop on the Biodiversity. Opportunities in Lebanon, held at AUB, March 27-28, 2003.
4. Member of the Organizing Committee of the International Conference on Assessing. Models of Universities for the Arab World, to be held at AUB, June 2003.
5. Member of the Arts and Sciences Research Committee (Oct. 01-03).
6. Member of the Accreditation Task Force (team # 5) on administration (Mar. 02-Feb. 03).
7. Member of the Faculty of Arts and Sciences Admissions Committee (Oct. 02-).
8. Member of the Interfaculty Coordinating Committee of the Graduate Program in Environmental Sciences.
9. Academic advisor of the MSc. thesis of Mr. Wassim Abou-Kheir (will graduate July 2003) and Mr. Mazen Sidani (graduate of July 2002). Academic co-advisor of Ms. Rudeina Haidar (graduate of May 2003).
10. Currently serving as a member of the MSc. thesis committee of three students in Biology, namely Ms. Malak Esseily, Mr. Mohammad El-Zein and Mr. Humam Kadara and a student in Animal Sciences, Mr. Naji Abou-Chakra.

Harakeh, Steve

1. Member of the MSc Theses committee of:
 - Ms. Rania Maroun Title: Thermophilic vs mesophilic anaerobic digestion of source-sorted organic municipal solid waste.
 - Mr. Raja Bou Fakher Aldeen Title: Mathematical modeling of anaerobic digestion of source sorted municipal solid waste.
 - Mr. Tarek Najdi. Title: Mechanism of N-(4-Hydroxyphenyl) Retinamide (HPR)-Induced cell Death in HTLV-I-Transformed cells and Malignant T-Cell Lines: Role of Ceramide.
2. Judge for student's in the Science, Math and technology fair 2003.
3. Invited Speaker:
Talked about bacterial diseases and their involvement in the death of famous musicians in CVSP 241 course (Coordinator: Dr. Reem Deeb) spring 2003.
4. International Media Coverage:
Attualita news paper: Professionisti, alzate la maschera! 28th February, 2003.

Knio, Khouzama

University Activities:

1. Member of the Natural History Museum Committee.
2. Member of the USFC Committee.
3. Served as Premedical Advisor for St George University, Grenada.

4. Served as secretary for the Biology Departmental Meetings, starting April 2003.
5. Prepared brochures for the Biology sophomores summarizing the new Biology curriculum.
6. Serving as advisor for the MS thesis of Mohammad El Zein, and as local advisor for the PhD thesis of Nada Saoud.
7. Served as A/Chairperson from Oct. 7-11, 2002.
8. Gave a seminar entitled "The Beneficial Aspects of Insects" for the Rotary Club, Aley on Nov. 19, 2002.

Museum work:

1. Sorted out, identified to the family level, and added to the insect collection of the NHM, hundreds of insects collected by the students of Entomology (Bio. 286).
2. Sorted out, and identified to the family level the Hemiptera collections of Dr. Abdul Munim Talhouk.
3. Added to the NHM collection, the bee collection from the Darwin project, that was identified to the species level by Dr. G. Else, from the NHM, London.
4. Supervising the curation of the Peyron beetles, and their mounting with new rust-proof pins and transfer to new insect drawers.

Kreydiyyeh, Sawsan

Served as

1. Freshman advisor
2. Member of the Task force team # 14 on assessment of student learning.
3. Attended the "Cytokines and Interferons 2002" meeting held in Torino, Italy and presented two posters.
4. Presented a poster at Experimental Biology meeting 2003 held in San Diego, USA.
5. Attended a conference on Bioethics: How to adopt biotechnology to culture and values. Beirut, Lebanon. 1-2 March, 2003.
6. Supervised the M.Sc. Thesis project of the graduate student Christina Abou Chahine. (Graduated Feb. 2003).
7. Currently supervising the M.Sc. Thesis project of the graduate students: Sarine Markossian, Yester Skayan and Rawad Al-Hodefy.
8. Member of the M.Sc thesis committee of Oula Mansour, Reem Berro, Rabih Seifeddine and May Skoury (Physiology).
9. Served as judge in the 10th annual science fair organized by the education department (May 2003).

Sadek, Riyad

1. Served on the M.S. thesis committees of two students, Mohammad Al Zein (Biology Dept.), and Naji Abou Chacra (Animal Science, FAFS).
2. All taught courses (Biol 252, 254 and 310) were made web-based on-line courses accessible by enrolled students via the intra- and Internet.
3. Continued to act as the Advisor for the Biology Student Society and supervising their various activities.
4. Continued to chair the Committee for the Natural History Museum in the Biology Department, coordinating various Museum activities. As of July 2002, he has coordinated, organized and followed up all the orders that were made using funds from ASHA to

upgrade, renovate and maintain the collections. Has been directly and closely involved in receiving, allocating and installing most items.

5. Took an active role in assisting the efforts to explore the prospects of relocating the collections of the Museum to Post Hall.

Safieh-Garabedian, Bared

1. **Safieh-Garabedian, B.**, Dardenne, M., Pléau, J.M., and Saadé, N.E. Prevention of ET induced hyperalgesia in the rat, by a novel thymulin peptide analogue (PAT). 3rd Forum of European Neuroscience. 13-17 July 2002, Paris.
2. Saadé, N.E., Atweh, S.F., Jabbur, S.J., Dardenne, M., Bach, J.F., and **Safieh-Garabedian, B.** Attenuation of neuropathic manifestations in rats by a synthetic peptide analogue of thymulin (PAT). 3rd Forum of European Neuroscience. 13-17 July 2002, Paris.
3. Melemedjian, O.K., EL-Sabban, M.E., Saadé, N.E. and **Safieh-Garabedian, B.** Endotoxin (ET) induces secretion of pro-inflammatory mediators in cultured adult rat dorsal root ganglia (DRG) neurons. 2002, Society for Neuroscience, 32nd Annual Meeting, Orlando, November 2-7.
4. Chidiac, J.M., Hawwa, K., Rifai B., **Safieh-Garabedian, B.**, Jabbur, S.J. and Saadé, N.E. Intradermal application of capsaicin (cap) upregulates the levels of NGF and PGE2 in the rat incisors. 2002, Society for Neuroscience, 32nd Annual Meeting, Orlando, November 2-7.
5. **Safieh-Garabedian, B.**, Alami, N., Jabbur, S.J., El Sabban, M. and Saadé, N.E. Thymulin modulates the production of cytokines induced by endotoxin in dorsal root ganglion (DRG) neurons in culture. Submitted to the 4th Congress of the European Federation of the International Association for the study of Pain. September 2-6, 2003.
6. Nouredin, B. and **Safieh-Garabedian, B.** Thymulin and nerve growth factor (NGF) levels in patients with open angle glaucoma (OAG). 4th International Glaucoma Symposium, Barcelona, Spain. March 19-22, 2003.

Sinno-Saoud, Nada

Herbarium Activities:

1. Involved in reorganizing the Post Herbarium to include the geographical separation of specimens into separate genus folders for Lebanon, rest of the Middle East, Europe, Africa, rest of the World. Accordingly, a major curation of the Herbarium is being undertaken.
2. Was able (with Dr. Musselman) to locate all Post Type specimens in 36 cabinets.
3. Currently involved in the preparation, mounting and storage of all the plant specimens collected in the Initiative for Biodiversity Studies in Arid Regions project (IBSAR) and incorporating these specimens in the Post Herbarium.
4. Still working on the repair of a big fern collection that was presented by Mrs. D. Stuart Dodge in 1889. The collection is a valuable collection that was mounted in the Victorian manner. This is the type of collection that can be put on display when the herbarium moves to Post Hall.

Services to the Department:

1. Member of the Natural History Museum Committee.
2. Member of the Post Herbarium Interfaculty Committee.

Talhok, Rabih

Long Term Faculty Development

1. Visiting Research Fellow: Aug 13 – Sept 4, 2002; Dept of Physiology, University of Arkansas Medical School, Little Rock, AR 72205. In collaboration with Dr. Khaled Machaka. Work addressed the role of Ca signaling in mammary cell differentiation and replication.

Popular Science Articles/Workshops:

1. Talhok R.S. (2003) – The cloning of Eve and its consequences. Aired on "A'alam El-Sabah" program, Future-TV, Jan 15, 2003.
2. Talhok, R.S. (2002). - Career Day, International College. Organized by Office of Student Affairs. Nov 28, 2002.

Service on University Committees and Appointed Posts

1. University Radiation Safety Committee (1997 - present).
2. Advisor, Civic Welfare League (Nov 2000 – present).
3. Accreditation Task Team on Student Support Services, member (April 2002 – present)
4. OUTLOOK advisor (2001 - present).
5. FAS Graduate Studies Committee (2001- present).

Graduate Students supervised:

Miss Lina Abou Mosleh (Advisor)

Mr Samer Bazzi (Advisor)

Mr. Wassim El-Jouni (Advisor)

Miss Malak Esseily (Advisor)

Miss Ralda Nehmeh (Advisor)

Miss Samar Maa'louf (Joint collaboration with OSU)

Tarraf, Charbel

1. Nominated by the Ministry of Environment as Lebanese expert on biosafety to be included on the roster of experts of the Secretariat.
2. Member of the Medical Admissions Committee for the academic year 2001-2002.
3. Representative of the faculty of Arts and Sciences on the Class Reunion Ad-hoc committee (2002-to date).
4. Safety officer, Biology Department, AUB, 2002- to date.
5. Library liaison, Biology Department, AUB, 2002-todate.
6. Student academic adviser.
7. M.Sc. thesis committee member for Miss Adele Habr, Department of Animal Sciences, Faculty of Agriculture and Food Sciences.
8. M.Sc. thesis committee member for Mr. Nadim Rawda Al-Baleh, Department of Animal Sciences, Faculty of Agriculture and Food Sciences.

F. PUBLICATIONS

Baydoun, Elias

Articles

1. Abdel-Masih, R., **Baydoun, E.**, Brett, CT. 2003. *In vitro* biosynthesis of 1,4- β -galactan attached to a pectin-xyloglucan complex in pea. *Planta* **216**: 502-511.

Abstracts

1. Bikhazi, AB., El-Khechen, DM., El-Sabban, ME., **Baydoun, E.**, Bitar, KM. 2002. Endothelin-1 binding and receptor subtypes localization and alteration in a normal and diabetic rat heart model. *Proceedings of the FASEB 2002 Meeting on Experimental Biology*, 94.
2. **Baydoun, E.**, Pavlencheva, N., Cumming, C., Waldron, K, Brett, C. 2003. Control of phenolic cross-linking of cell-wall polymers by hydrogen peroxide and peroxidase in sugar beet. *Proceedings of the Phoenix Symposium of Plant Signalling*.

Darwiche, Nadine

Article

1. Maalouf, S., El-Sabban, M. E., **Darwiche, N.** and Gali-Mohtasib, H. 2002. Molecular Mechanisms of the Photoprotective Effects of Vitamin E in Keratinocytes. *Molecular Carcinogenesis*. **34**: 121-130.

Abstracts

1. Kabbout, M., Hatoum, H., Abou-Lteif, G., Chakroun, I., Homaidan, F.R., and **Darwiche, N.** 2003. HPR induced growth arrest and apoptosis in squamous cell carcinogenesis. Federation of European Biochemical Societies Special Meeting "Signal Transduction: From Membrane to Gene Expression, to Disease". Belgium, Brussels, July 3-8.
2. **Darwiche, N.**, Hatoum, A., Dbaibo, G., Nasr, R., Abou-Lteif, G., Bazzi, R., Hermine, O., de Thé, H., and Bazarbachi, A. 2003. HPR specifically induces apoptosis in transformed, but not normal, T lymphocytes. Federation of European Biochemical Societies Special Meeting "Signal Transduction: From Membrane to Gene Expression, to Disease". Belgium, Brussels, July 3-8.

Gali-Muhtasib, Hala

Articles

1. Maalouf, S, El-Sabban, M, Darwiche, N and **Gali-Muhtasib, HU.** 2002. Protective effect of vitamin E on ultraviolet B light-induced damage in keratinocytes. *Molecular Carcinogenesis*. **34**: 121-130.
2. **Gali-Muhtasib, HU** and Bakkar, N. 2002. Modulating Cell Cycle: Current Applications and Prospects for Future Drug Development. *Current Cancer Drug Targets*. **2**: 309-336.

Abstracts

1. **Gali-Muhtasib, H.U.**, Sidani, M.M., Diab-Assaf, M., and Haddadin, M.J. 2002. 2-Benzoyl-3-phenyl-6,7-dichloroquinoxaline 1,4-dioxide is a Novel Angiogenesis Inhibitor that Potentiates the Antitumor Effects of Ionizing Radiation. International Conference on Hypoxia/HIF Mediated Responses in Tumour Biology. November 27-29, 2002, Manchester, UK.

2. **Gali-Muhtasib, H.** Sidani, M., Diab-Assaf, M. Haddadin, M., Geara, F., and Zaatari, G. 2003. An evaluation of the radiosensitization effects of quinoxaline 1,4-dioxides. Second International Conference on Translational Research and Pre-Clinical Strategies in Radio-Oncology. March 16-19, 2003, Lugano, Switzerland.
3. **Gali-Muhtasib, H.U.**, Carsten Boltze, Diab-Assaf M, Al-Hmaira J, Roessner A and Schneider-Stock R. 2003. Thymoquinone extracted from Black seed is a potent growth inhibitor and inducer of apoptosis in Human Colon Cancer HCT-116 cells. Proceedings of the American Association for Cancer Research 44: 623.

Harakeh, Steve

Articles

1. Al-Kadamany, E., Toufeili, I., Khattar, M., Abou-Jawdeh, **Harakeh S.** and Haddad T. 2002. Determination of Shelf-life of Concentrated Yogurt (Labneh) Produced by In-Bag Straining of Set Yogurt using Hazard Analysis. *Journal of Dairy Sciences*. **85**(5): 1023-1030.
2. **Harakeh, S.**, Sabra, N., Kassak, K. and Doughan, B. 2002. Factors influencing mercury alarming levels among Lebanese dentists. *The Science of the Total Environment*. **297**: 153-160.
3. Ramia, S., Koussa, S., Taher, A., **Harakeh, S.**, Klayme, S., Sarkis, D. and Naman, R. 2002. Infection with Hepatitis viruses (B&C) and distribution of Hepatitis C virus genotypes in Lebanese patients with Thalassemia. *Anal. of Tropical Medicine and Parasitology*. **96**:197-202.
4. **Harakeh, S.**, Sabra, N., Kassak, K., Doughan, B. and Sukhn, C. 2003. Mercury and arsenic levels among Lebanese dentists: A call for action. *Bulletin of Environmental contamination and toxicology*. **70**(4): 629-635.

Khattar, Medhat

1. Al-Kadamany, E., Toufeili, I., **Khattar, M.**, Abou-Jawdeh, Y., Harakeh, S. and Haddad, T. 2002. Determination of Shelf-Life of Concentrate Yogurt made by In-Bag Straining of Set Yogurt using Hazard Analysis by *Journal of Dairy Science*. **85**:1023-1030.

Kreydiyyeh, Sawsan

Articles

1. Barbour, EK, Farran, MT, Hamadeh, S.K., Bouljihad, M, Faroon, O, **Kreydiyyeh, S.** 2002. Comparative Impact of Live Chicken Infectious Anemia Virus Vaccine Versus Natural Exposure in Meat Chicken Breeders on Immunity to Infectivity by CIA and Inclusion Body Hepatitis Viruses in Their Offspring. *Veterinary Rese. Comm.* **26**: 397-405.
2. **Kreydiyyeh, SI** and Al-Sadi, R. 2002. Interleukin-1 beta increases urine flow rate and inhibits protein expression of the Na⁺-K⁺ ATPase in the rat jejunum and kidney. *J. Interferon & Cytokine Res.* **22**: 1041-1048.
3. **Kreydiyyeh, SI** and Al-Sadi, R. 2002. The Mechanism by Which Interleukin-1 beta Reduces Net Fluid Absorption From the Rat Colon. *Eur. Cytokien Netw.*, **13**: 358-363.
4. Al-Sadi, R. and **Kreydiyyeh, SI.** 2003. Mediators of Interleukin-1 beta action on the Na⁺ K⁺ATPase in Caco-2 cells. *Eur. Cytokine Netw.* **14**:1-8.

Abstracts

1. Kreydiyyeh, SI and Al-Sadi, R. The signaling pathway underlying the effect of interleukin-1 beta on the Na⁺/K⁺ pump in LLC-PK1 cells. *J interferon and cytokine research*, 22, supplement 1, p S-133, 2002.
2. Al-Sadi, R and Kreydiyyeh, SI. Mediators of Interleukin-1 beta effect on the Na⁺-K⁺ pump in caco-2 cells. *J. interferon and cytokine research*, supplement 1, p S.133, 2002.
3. Kreydiyyeh, SI, Christina Abou Chahine, Randa Hilal-Dandan. Interleukin-1 β inhibits Na⁺-K⁺ATPase activity and protein expression in cardiac myocytes. *The FASEB Journal*. 17: (6). P 120.

Sadek, Riyad

1. Hraoui-Bloquet, S., **R. Sadek**, R. Sindaco, A., Venchi. 2002. The Herpetofauna of Lebanon: new data on distribution. *Zoology in the Middle East*. **27**: 35-46.

Safieh-Garabedian, Bared

1. Kanaan, S.A., **Safieh-Garabedian, B.**, Karam, M., *Khansa, H., Jabbur, S.J., Jurjus, A.R. and Saadé, N.E. 2002. Thymulin reduces the hyperalgesia and cytokine upregulation induced by Leishmaniasis in mice. *Brain Behavior and Immunity*. 16: 450-460.
2. **Safieh-Garabedian, B.**, *Dardenne, M., *Plaeu, J.M. and Saadé, N.E. 2002. Potent analgesic and anti-inflammatory actions of a novel thymulin-related peptide in the rat. *Br. J. Pharmacol.* 136: **947-955**.
3. *Chidiac, J.J., Hawwa, N., Balik, M., **Safieh-Garabedian, B.**, *Rifai, K., Jabbur, S.J. and Saadé, N.E. 2002. A perfusion technique for the determination of proinflammatory mediators induced by intradermal application of irritants. *J. Pharmacol. Toxicol. Methods*. **46**: 125-130.
4. Saadé, N.E. Massaad, C.A., Ochoa-Chaar, C.I., Jabbur, S.J., **Safieh-Garabedian, B.**, and S.F. Atweh. 2002. Upregulation of proinflammatory cytokines and nerve growth factor by intraplantar injection of capsaicin in rats. *J. Physiol.* **545**: 241-253.
5. *Haddad, J.J., Saadé, N.E. and **Safieh-Garabedian, B.** 2002. Cytokines and neuro-immune-endocrine interactions: a role for the hypothalamic-pituitary-adrenal revolving axis. *J. Neuroimmunol.* **133**: 1-19.
6. *Haddad, JJ, **Safieh-Garabedian, B.**, Saadé, NE, *Lauterbach, R. 2002. Inhibition of glutathione-related enzymes augments LPS-mediated cytokine biosynthesis: involvement of an IkappaB/NF-kappaB-sensitive pathway in the alveolar epithelium. *Int.Immunopharmacol.* **2**: 1567-1583.
7. *Haddad, J.J., Saadé, N.E. and **Safieh-Garabedian, B.** 2003. Interleukin-10 and the regulation of mitogen-activated protein kinases: Are these signalling modules targets for the anti-inflammatory action of this cytokine. *Cell Signalling*. **15**: 255-267.
8. Saadé N.E., Atweh S.F., Jabbur S.J., *Dardenne M., *Bach J.F. and **Safieh-Garabedian B.** 2003. A thymulin analogue peptide with powerful inhibitory effects on pain of neurogenic origin. *Neuroscience*. **119**: 156-165.

Talhok, Rabih

Abstracts

1. El-Sabban, M., Ismail, A., **Talhouk R.** 2002. Effect of GJIC Modulation on Jak2/STAT5 in Mammary Cells in vitro. Mol. Biol. of the Cell 13:2765:491a.

G. FUTURE DEVELOPMENT

The Department aspires to further growth and expansion of its undergraduate and graduate program.

One of the goals in the near future is to revive the field of Marine Biology which was very prosperous in the old days. With a direct access to the sea, AUB could be the pioneer in this field and could evolve into an important marine center for the Middle East.

The Department is still looking forward to the launching of the PhD program and is preparing itself for this event. Towards this aim more research space will be allocated in the department and an attempt will be made to refurbish all research labs annexed to offices. Along the same line, equipment in the research labs will be upgraded continuously to keep abreast of the current research in Biology, and up-to date with the latest technologies used in research.

Efforts will be pursued to establish in the Department a modern computer facility with an internet access that would facilitate the web search for our graduate students.

The NHM will pursue the Peyron collection project and aspires to the completion of the refurbishment of the Museum space and installment of a control system for humidity and temperature.

S. Kreydiyyeh
Chair

CENTER FOR ARAB AND MIDDLE EAST STUDIES

A. SUMMARY OF PROGRAMS

Twelve new students enrolled in the CAMES MA program this year, bringing the total number of registered students to 33. One student defended his thesis and graduated. Professor Tarif Khalidi supervised the CAMES core seminar.

The Summer Intensive Arabic Program in 2002 was successful, with 49 students attending out of 150 applicants. The program has received 251 applications for the Summer 2003 session, and expected attendance will be about 55 students. The large number of applicants is due to free advertisements we have placed on various websites pertaining to Study Abroad programs, the detailed information available on our CAMES website and positive feedback from former students who attended the program. It is also due to quick replies by staff to inquiries about the program and an easy online application procedure. The summer program will be offering five levels this year: Introductory, Low Intermediate, Intermediate, High Intermediate and Advanced.

Center Activities

CAMES hosted a number of lectures delivered by international, regional and Lebanese scholars.

Lectures

1. "The Correspondence of Aristotle with Alexander the Great" by Dr. Miklos Maroth, Vice-Dean of the Faculty of Arts, Professor of Arabic and Islamic Studies and Professor of Classical Philology at Pazmany Peter Catholic University, Hungary.
2. "The Legitimacy of Stones: The Bohras and the Restoration of Fatimid Monuments" by Samer Traboulsi, Ph.D. candidate at the Department of Near Eastern Studies, Princeton University
3. "State Formation, Provincial Politics and Nobility in the Ottoman Empire, 17th-18th Centuries" by Dr. Hülya Canbakal, Assistant Professor of History at Sabanci University, Istanbul
4. "After September 11th: Is there still hope for peace and reconciliation in the Middle East?" by Lars Rise, Member of the Norwegian Parliament
5. "Medieval Muslim Women Travelers" by Dr. Marina Tolmacheva, Professor at the Department of History at Washington State University.

Sheikh Zayed Lecture Series in Islamic Studies 2003

1. "Military Pay and the Economy of the Early Islamic World" by Dr. Hugh Kennedy, Professor of Middle Eastern History at the Department of Mediaeval History, University of St. Andrews, Scotland
2. "Women in the History of al-Andalus" by Dr. Manuela Marín, is Research Scientist at the Consejo Superior de Investigaciones Científicas (CSIC), Madrid

Oral History Project

A volume of the transcription of a collection of taped interviews with Shaykh Ahmad al-Nu'man, a prominent Yemeni politician of the 1960's, was published by CAMES jointly with the Centre Français d'Archéologie et de Sciences Sociales de Sanaa (CEFAS). The completed book appeared in May 2003.

CAMES Website

CAMES website is continuously redesigned to keep our web visitors updated with the activities and programs held in CAMES

B. PERSONNEL

1. Faculty Members

Nadia Maria El-Cheikh, Ph.D.	Associate Professor of History, Director
Tarif Khalidi, Ph.D.	Shaykh Zayed Professor of Arabic & Islamic Studies
Aliya Saidi, Ph.D.	Research Associate, Coordinator

2. Advisory Board

Prof. Tarif Khalidi, Shaykh Zayed Professor of Arabic & Islamic Studies
Prof. Helen Sader, History and Archaeology
Prof. Farid El-Khazen, Political Science and Public Administration
Prof. Richard Smith, Social and Behavioral Sciences
Prof. Bashar Haydar, Philosophy
Prof. Peter Shebaya, Civilization Sequence Program
Prof. Ramzi Baalbaki, Arabic and Near Eastern Languages
Prof. Samir Makdisi, Economics

3. Research Assistants

None

4. Visiting Affiliates

Joy Famer, Ph.D. candidate, UCLA
Ellen Fleischmann, Assistant Professor, University of Dayton
Sara Scalenghe, Ph.D. candidate, Georgetown University
Nadya Sbaiti, Ph.D. candidate, Georgetown University
Aleksandra Majstorac Kobiljski, Central European University
Alain George, Ph.D. candidate, Saint Antony's College, Oxford
Samer Traboulsi, Ph.D. candidate, Princeton University
Roschanack Shaery-Eisenlohr, Ph.D. candidate, University of Chicago
Diana Allen, Ph.D. candidate, Harvard University
Hosn Abboud, Ph.D. candidate, University of Toronto

5. Graduate Assistants

Laure Chedrawi (Fall 2002-3)
Joseph Malki (Fall-Spring 2002-3)
Jehan Mullin (Fall-Spring 2002-3)
Katrin Jomaa (Fall-Spring 2002-3)
Tania Atallah (Fall-Spring 2002-3)
Danny Toukan (Fall-Spring 2002-3)
Heather McCaw (Fall-Spring 2002-3)
Hans Bastian Hauck (Fall-Spring 2002-3)
Ana Paula Schmitt (Spring 2003)
Fiona McBrien (Spring 2003)
Kaelen Wilson-Goldie (Spring 2003)

6. Non-Academic Staff

Abu Alwane, Labeeba	Documentation Assistant
Ghattas, Nina	Secretary

C. TEACHING

1. Number of Graduating Majors

M.A.	June 2003	1
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2. Number of Majors

Graduates	33
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3. Student Enrollment in Courses (offered by CAMES)

	Summer 02	1 st Sem.	2 nd Sem.	Total
Courses numbered 300 and above	--	20	18	38
Summer Arabic Program	49	--	--	49

4. Number of Credit Hours Offered

Courses numbered 300 and above	--	45	54	99
Summer Arabic Program	45	--	--	45

D. RESEARCH

El-Cheikh, Nadia Maria

1. "Ibn Khaldun on Byzantium and the Franks." Forthcoming in proceedings of conference on Ibn Khaldun, Harvard University.
2. "Gender and Politics: The Harem of al-Muqtadir," forthcoming in *Gender and the Transformation of the Roman World: Women, Men and Eunuchs in Late Antiquity and After, 300-900 CE*, eds. L. Brubaker and Julia Smith (Cambridge University Press).
3. "Mourning and the Role of the Na'iha," forthcoming in *Identidades Marginales* (Madrid).

Khalidi, Tarif

1. "Poetry and Identity in the Umayyad Age" (with S.S. Agha). Forthcoming in *Al-Abhath* (2003).
2. "Jesus, Islam and World Dialogue". Forthcoming in *Concilium* (2003).
3. "Tabari: An Introduction" in H. Kennedy ed. *Al-Tabari: A Muslim Historian and his Work* (Princeton: Darwin Press). Forthcoming in 2003.
4. "Islam, Self and Neighbours ca.1,000 AD". Proceedings of a conference at the University of Halle, Germany, in 2000. Forthcoming in 2003.

E. OTHER STAFF ACTIVITIES

El-Cheikh, Nadia Maria

Papers presented at international and regional conferences:

1. "Servants at the Gate: Eunuchs at the Court of al-Muqtadir," Middle East Studies Association Conference, Washington, November, 2002.
2. "Ibn Khaldun on Byzantium and the Franks," Perspectives on Ibn Khaldun and His Times, Harvard University, May 2002.
3. "Research on Lebanese Women: Trends and Methods," Institute for Gender and Women's Studies, The American University in Cairo, April 2002.
4. Organization of a conference on "Assessing Models of Universities in the Arab World", American University of Beirut, October 2003.
5. Organization of an international conference on Al-Jahiz, scheduled for January 2005, jointly with the German Orient Institute in Beirut.

Khalidi, Tarif

1. Plans for an international conference on Al-Jahiz, scheduled for January 2005, jointly with the German Orient Institute in Beirut.
2. Plans for a conference on "The Arab World and Europe: Human Mobility and Cultural Exchange" jointly with Professor Jorgen Nielsen of Birmingham University.
3. Plans for a conference on "The Esoteric Sciences of Medieval Islam" jointly with Dr Basim Musallam of King's College, Cambridge.

F. PUBLICATIONS

El-Cheikh, Nadia Maria

1. "In Search for the Ideal Spouse," *Journal of the Economic and Social History of the Orient* 45(2002), pp. 179-196.
2. "Women's History: A Study of al-Tanukhi," *Writing the Feminine: Women in Arab Sources*, eds. Manuela Marin and Randi Deguilhem (London and New York, I. B. Tauris: 2002), pp.129-148.
3. Co-editor of *al-Nisa' al-arabiyyat fi al-ishrinat* (Beirut, 1993).
4. "Immunity," and "Iraq," *Encyclopedia of the Qur'an*, ed. Jane Dammen McAuliffe, (Leiden, Brill, 2002), vol. 2, pp. 504-505 and 559-561.

G. FUTURE DEVELOPMENT

Oral History Project:

CAMES will be publishing on the web the oral interview with poet Nizar Qabbani and plans to publish two additional interviews.

Conferences:

CAMES is organizing a conference on "Assessing Models of Universities for the Arab World" in October 2003.

CAMES has started planning a conference on Al-Jahiz for 2005.

N. El-Cheikh
Director

CENTER FOR BEHAVIORAL RESEARCH

A. SUMMARY OF PROGRAMS

This has not been a normal year for the Center. Both the unstable regional political situation and budgeting constraints, compelled us to suspend some of our regular activities. The insecurity of travel, before and after the Iraq war, prodded many of our intended visitors to cancel their trips. The conference on “Sexuality in the Arab World” planned for May 2003, jointly with St. Antony’s College of Oxford, was also postponed until next fall. Funding for the summer research grants were over expended during the previous year. We had little left to support the optimal number of awards. These, too, will be resumed next year.

What we missed however was duly compensated for by our other indigenous and in-house activities. We still accommodated the same number of graduate assistants, post-doctoral and visiting fellows from a wide range of European and American universities. The Center, without any promotional announcements, continues to receive a growing number of requests for affiliation. We only act on a few, consistent with their academic credibility and relevance to the on-going research interests of the Center.

The three collaborative projects we launched last year – all unconnected with the Andrew Mellon grant – have been consolidated:

1. The project on post-war Lebanon, done jointly with the Konrad Adenauer Stiftung and the Lebanese Center for Policy Studies, generated two products: participation in Conference hosted at the University of Mainz Germany (September 8-13) and an edited volume already in press. Judging by the quality of the participants, the volume is bound to serve as an authoritative scholarly reference.
2. The 3-year E.U. project “ Mediterranean Voices” has been on schedule during its first year. Two of the research assistants on the project (Abou Ghaida and Haugbolle) attended the 3-day workshop at Las Palmas in mid March. Both have been attending to their own independent dimensions of the project, particularly by way of feeding the data base, following the interlink, interviews and drafting reports.
3. All preliminary preparations for convening the conference on “Sexuality in the Arab World” were completed, particularly finalizing the list of participants and topics to be addressed. About 24 scholars (local and foreign) have already re-confirmed their participation next fall.

B. PERSONNEL

Samir Khalaf, Ph.D., Professor of Sociology (Director)
Leila Jbara (Secretary)

Executive Committee

Nadia El-Cheikh, Ph.D., Assistant Professor	(History)
Maher Jarrar, Ph.D., Associate Professor	(C.S. Program)
Shahe Kazarian, Ph.D., Professor	(S.B.S)
Yehya Sadouski, Ph.D., Associate Professor	(P.S.P.A)

Post-Doctoral Fellows

Laura Marks, Arts and Culture (Carleton University)
Lucine Taminian, Anthropology (University of Michigan)

Visiting Associates

Zumrut Alp	(Columbia University)
Pascal Feghali	(University of Paris)
Victoria Firmo-Fontan	(University of Limerick)
Sune Haugbolle	(Oxford University)
Pernille Jorgensen	(Copenhagen University)
Daniel Weber	(Princeton University)

Research Assistants

Susanne Abou Ghaida	(Euromed Project)
Sune Haugbolle	(Euromed Project)

Graduate Assistants

Diala Hawi, M.A. Candidate	(Psychology)
Iman Humaydan, M.A. Candidate	(Sociology)
Nadine Khalil, M.A. Candidate	(Sociology)
Carrie York, M.A. Candidate	(CAMES)
Aliya Zoghbi, M.A. Candidate	(Sociology)

C. OTHER STAFF ACTIVITIES

Regular Lectures

As mentioned earlier, the unsettled political climate in the region compelled many of our prospective visitors to suspend their trips. Unfortunately we were only able to convene two such public events (John Keane and Edward Said). Both, however, particularly the public lecture of Edward Said, drew a large and enthusiastic audience. Despite the taxing demand on his time, Professor Said was gracious enough to make three additional presentations on campus. The Palestinian Cultural Club, The CS program and at the Medical School. All were very well received and attended, with extensive media coverage.

December 9 th , 2002	John Keane (University of Westminster)	Cosmocracy: Reflections on the Emergent Global Polity.
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March 26th, 2002

Edward Said
(Columbia University)

Humanism & Intellectual
Resistance.

Bi-Weekly Sessions

The Bi-weekly sessions this year drew a much larger audience and at no cost whatsoever. Once again Sofian Merabet (Ph.D. candidate at Columbia University) must be commended on his efficient and single-handed efforts in organizing the sessions.

The sessions have proved to be effective in two particular respects: First a growing number of our own graduate students are having the opportunity to associate and interact with other young scholars who display more exacting professional demands and work ethics. Second, the sessions also draw upon visiting scholars from other centers in the city (i.e. the Orient Institute, CERMOC, USJ and the Lebanese University).

October 23, 2002

Sune Haugbolle (AUB/CBR, Oxford University).

“Looking the Beast in the Eye: Collective Memory of the Civil War in Lebanon”.

November 6, 2002

Charles Harb (AUB/SBS)

“Values in Students Samples from the UK, Lebanon, Jordan and Syria”.

November 20, 2002

Ghalya Saadawi. (AUB/SBS)

“The Relation Between National and Political Identity Among Militia Members in the Lebanese Conflict”.

December 4, 2002

Gabriele Bunzel (University Saint Joseph de Beyrouth)

“Transaction Sociale Dans Une Societe Pluri-confessionnelle: Le Cas Du Liban”.

December 18, 2002

Fadi Mohammad El-Hajjar (AUB/History)

“Islamic Political Movements Between Secularism and Religion: The Case of the Refah Party in Turkey”.

January 8, 2003

Omar Nashabe (AUB/SBS)

“Tentative Improvement of the Prison System in Lebanon”.

March 3, 2003

Victoria Firmo-Fontan (CBR/University of Limerick)

“Peace-Building in Lebanon, Endogenous Patriarchy and Social Humiliation in Developing Re-Creation Process”.

March 18, 2003

Diane King (AUB/SBS)

“Gender and practicing the (De Facto) State in Iraqi Kurdistan”.

March 31, 2003

Laura Marks (CBR/Carleton University)

“Asphalt Nomadism: Tendencies in Arab Independent Cinema”.

- April 14, 2004 **Lucine Taminian** (AUB/SBS)
 “From Eroticism to Nationalism: Poetic Genres and Yemeni National Memory”.
- April 28, 2003 **Nadya Sbaiti** (CAMES/Georgetown University)
 “Gender and Education in 1950s Beirut”.
- May 12, 2003 **Iman Humaydan** (CBR/SBS)
 “Between Life and Death: Families of the Disappeared Confronting Violence”.
- May 26, 2003 **Samar Zebian** (AUB/SBS)
 “A Selective Review and a Motivated Proposal for Indigenous Research on Arab Psychology”.
- June 9, 2003 **Kristen Idriss** (Princeton University)
 “Retrospective Views: The Contest of Visual Memories for a Reconstructed Lebanon”.

Pre-Doctoral Fellows

Our pre-doctoral fellowships program continues to be a resourceful activity of the Center. All affiliates come with funding from their respective universities. Hence, they are all offered non-remunerative appointments. In return for the modest benefits they enjoy at AUB – i.e. workplace, access to Jafet, contact with other itinerant colleagues – they give much in return. They participate in the Centers activities and, perhaps more compelling, they act as inviting role models to our graduate students.

This year, the following six enjoyed this privilege:

Zumrut Alp (Columbia University)
 “The Social Philosophical and Zoological Representations of Birds in Medieval Islamic Literature”.

Pascal Feghali (University of Paris)
 “Changing Paradigms and Formation of Anthropological Spaces in Urban Middle Class Quarter/Sanayeh”.

Victoria Firmo-Fontain (University of Limerick)
 “Roles of Civil Society and State Initiatives.”

Sune Haugbolle (Oxford University)
 “Collective Memories on the Civil War in Lebanon”.

Pernille Jorgensen (Copenhagen University)
 “Young Lebanese Conceive of Politics of their Political Practices”.

Daniel Weber (Princeton)
 “Culture or Commerce? Symbolic boundaries in French and American book Publishing”.

Mediterranean Voices: Euromed Heritage Program

This was our first year in the 3-year project (Jointly with the University of North London) to explore the intangible cultural heritage of Beirut. Beirut is one of thirteen other Mediterranean cities selected to participate in this cross-cultural study. A preliminary meeting was held at the University of North London (June 21-24, 2002) followed by an Information Technology (IT) workshop to train the participants (February 27-March 1st) and then another general meeting at Las Palmas (March 14-16, 2003). Two research assistants (Susanne Abou Ghaida and Sune Haugbolle) are involved on the various dimensions of the study.

Given the inter-disciplinary and cross-cultural nature of the exploration it is bound to generate interest among our graduate students.

Graduate Assistants

All five graduate assistants (full-time and part-time) were engaged in either completing their course requirements or working on various stages of these preparation

Diala Hawi	Psychology
Iman Humaydan	Sociology
Nadine Khalil	Sociology
Carrie York	CAMES
Aliya Zoghbi	Sociology

Three of the above (Humaydn, Khalil and Zoghbi) have finished all their course requirements and are planning to sit for their MA comprehensives and submit drafts of their thesis proposals in late June. It is worth noting that Nadine Khalil has won one of the competitive Fullbright Awards to New York University in support of her research project.

D. FUTURE DEVELOPMENT AND NEEDS

The coming academic year will be the ninth and, most probably, the last year during which the center enjoyed the generous and sustained support of the Andrew Mellon Foundation. Initially, the 3-year grant was intended as “seed money” to launch the initiation of the Center’s activities and programs. It is no doubt a credit to how well we were able to make judicious and effective use of such support which must have prompted Mellon to renew their grant for two added 3-year terms.

In anticipation of this likelihood we have already made efforts to seek other alternative sources of support. The Ford Foundation responded favorably to our joint project with St. Antony’s at Oxford, on “Sexuality in the Arab World”. The conference rescheduled for the Fall of 2003 is the final activity earmarked by the Ford grant.

The EU grant for the Mediterranean Heritage project is another venue which will sustain research and data-collection components required by the study for at least two more years.

We clearly need other sources of funding if the Center is to sustain part of the autonomy and financial independence we have been privileged to enjoy thus far. Beginning this

summer I intend to broach other likely prospects. Any assistance you or other officers of the University can offer in this regard will be, naturally, much appreciated.

If measured alone by the testimonials we continue to receive, particularly from visiting scholars and other affiliates of the Center, we clearly filled a much needed role in rendering AUB a more appealing site for research, scholarly debate and academic collegiality.

S. Khalaf
Director

CENTER FOR ENGLISH LANGUAGE RESEARCH AND TEACHING

A. SUMMARY OF PROGRAMS

The Center for English Language Research and Teaching (CELRT) supervises the University preparatory Program (UPP), the Intensive English Course (IEC), the English Communication Skills Program, and the BA and MA degree programs in English Language. In cooperation with the Education Department, it also supervises the Teaching Diploma (TD) and the MA program in TEFL. The research function of CELRT continues to depend largely on the individual efforts of its faculty members though attempts are under way to obtain some research grants.

The developmental activities of CELRT during the academic year concentrated on the REP projects in Sharjah and Saudi Arabia. Thus CELRT was involved again, through its director, in the monitoring of English language programs at the University of Sharjah, both at the Language Center and the English Department. Furthermore, CELRT involvement in the Kingdom Schools Project continued, though at a low-key level, offering one teacher training workshop, helping in the selection of faculty and instructional materials, and responding to some inquiries from the teachers in the English program.

B. PERSONNEL

1. Academic

Ghaith, Ghazi	Associate Professor	Ph.D.
Choueiri, Iina	Assistant Professor	Ph.D.
Shaaban, Kassim (Director)	Professor	Ph.D.

2. Graduate Assistants

Atme, Reine	BA
Baghdadi, Alexis	BA
Baltaji, Dana	BA
Fakhreddine, Huda	BA
Hachembeck, Zeina	BA
Haidar, Rana	BA
Turk, Rania	BA

3. Non-academic

Samar Ayyash	Clerk Stenographer
Joseph Tohme	Laboratory Technician

C. TEACHING

Refer to the annual reports of the Department of English and the Department of Education.

D. RESEARCH

Refer to the annual reports of the Department of English and the Department of Education.

E. OTHER STAFF ACTIVITIES

Refer to the annual reports of the Department of English and the Department of Education.

F. PUBLICATIONS

Refer to the annual reports of the Department of English and the Department of Education.

G. FUTURE DEVELOPMENT

The CERT faculty has started an active campaign of revitalizing CELRT by means of enhancing its local and regional visibility and developing its research and development components. Efforts are under way to establish a website for the Center; reactivate the *TEFL Bulletin*, in an electronic form at the start; prepare a program of workshops for summer 2003; and establish contacts with sources of research grants in the European Union and the USA. Furthermore, the Center is advertising for a specialist in computer-assisted language learning to help develop its technological capabilities.

However, in order for CELRT to succeed in launching its new activities, it is imperative that its relation to the Education Department be re-established and developed. Furthermore, other basic changes discussed in earlier reports need to be implemented. First, the Director should be given one-course time release a year to make it possible for him to spend adequate time on planning developmental activities and writing proposals for grants. Secondly, the CELRT library space should be expanded to include Room 211, and its acquisitions (references, instructional materials, and journals) should be systematically enriched.

K. Shaaban
Director

DEPARTMENT OF CHEMISTRY

A. SUMMARY OF PROGRAMS

The Chemistry Department pursued the development of its Chemistry curriculum and offerings, both at the undergraduate and graduate levels. Chem. 202 (Introduction to Environmental Chemistry) was, and will continue to be, offered in both first and second semesters to alleviate the burden of the heavy summer enrollment. The Faculty of Engineering can thus distribute its students over the three terms (fall, spring and summer) to fulfill their Chemistry requirements. Chem. 331 (Chemical Instrumentation for Environmental Analysis) experienced a major upgrading operation, as the students became exposed to practical training on real (applied) analytical measurements using modern instrumentation. In the past, the course used to solely emphasize the theoretical principles of the analytical techniques being used nowadays. The experiments, designed by Dr. Saliba, spanned environmental, pharmaceutical and nutritional applications. The Chem. 331-332 sequence will be offered on a regular, yearly basis, due to the increasing demand by the Interfaculty Graduate Environmental Science Program (IGESP). Chem. 220 experienced another round of upgrade (by Dr. Al-Ghoul): two new experiments were introduced (ESR, NMR), as well as a new computational chemistry exercise (Density Functional Calculations of Hyperfine Splitting Constants). Chem. 323 (Chemical Kinetics) was taught in a new form, as it was divided into three major parts, presented by three different professors (Sultan, Al-Ghoul, Hasanayn). The last part focused on computational projects treating various problems in molecular chemical kinetics, using the Gaussian software, thus providing the Chemistry and Physics graduate students with hands-on experience in advanced Computational Chemistry. The projects were designed and presented in elegant write-ups by Dr. Hasanayn.

The Department provided the Dean's office with electronic files for the syllabi of all courses that will be offered in the year 2003-2004, for the online access project.

Two new faculty members joined the Department this year: Dr. Faraj Hasanayn (Inorganic Chemistry, assistant professor) in the first semester, and Dr. Tarek Ghaddar (Physical Organic Chemistry, assistant professor) in the second semester. Dr. Lara Halaoui was on a Fulbright leave at Penn State University. Both Drs. Kamal Bouhadir and Lara Halaoui received grants from the William and Flora Hewlett Foundation for a paid research leave during the spring semester. Dr. Ulrich Kortz left AUB and joined the "International University of Bremen", in Germany. Dr. Kortz had spent five years in the Chemistry Department. Dr. Rabih Sultan was promoted to the rank of professor.

The Department witnessed a significant increase in the number of graduate students this year. Eight students joined the graduate program in October 2002 and three in February 2003. Seventeen applicants were accepted for next year (in addition to three prospective graduates). This major improvement will give an impetus to the research in the Department and will enliven the productivity of the faculty. The Department had launched a campaign for recruiting graduate students by contacting other Universities in Lebanon and the Middle East area. A colorful poster advertising the graduate program in Chemistry at AUB was designed and printed, and a number of such posters is being sent periodically to universities in Lebanon and the region.

In addition to the graduate assistantships granted by the Dean's office, one student received a GA from the Biotech II grant (FAFS). Two graduate students received graduate research assistantships (RGA). The RA parts came one from Chemistry, and one from the "Atmospheric Project" (FEA).

On recruitment, Dr. Peter Weppen from the University of Kiel, Germany, was given an offer to join the Department as a visiting associate professor in the fall semester of the next academic year. Dr. Weppen had visited the Chemistry Department in May 2003, and delivered two talks: a students' lecture of general analytical interest, and a specialized research seminar on the analytical aspects of composting technology. Dr. Weppen is specialized in Environmental Chemistry and Ecotoxicology, and will thus fill the Analytical Chemistry position.

The Chemistry faculty engaged on a perseverant effort for seeking external research funds. Ambitious research proposals were submitted to various granting agencies such as LNCSR (3), TWAS (4), PRF (2), the Dreyfus foundation (1), IFS (1) and NSF (2). This is in addition to the yearly URB proposals. The Department also presented a proposal to the Dean, as part of the new ASHA application. Dr. Saliba was designated as the departmental coordinator of all the terms of the ASHA grant.

Near the end of May, professor Stefan Müller, distinguished guest scholar, visited the Department. Professor Müller gave a series of four lectures on pattern formation in physical, chemical and biological systems. The lectures were attended by interested faculty members and graduate students from the various science departments. Professor Müller also had a number of exchanges with the Chemistry faculty, spanning academic issues of mutual concern, and exploring the potential for future research collaboration. A discussion on the possibility of establishing an exchange program in the Physical Sciences between AUB and the University of Magdeburg was initiated.

The Department's seminar program, coordinated by Dr. Haddadin, added to the lively atmosphere of scientific interaction and the continuing exposure to new ideas. This year's program included contributions from within the Department, by profs. Ghaddar, Hasanayn (twice) and Sultan, a Ph.D. student from McGill University (Hassan Bazzi), a visitor from France (Dr. Wassef El-Khatib), in addition to the lectures by the two visitors professors Peter Weppen, and Stefan Müller.

B. PERSONNEL

Haddadin, MakhluF	Ph.D.	Professor
Sultan, Rabih	Ph.D.	Professor (Chairman)
Kasparian, Marie	Ph.D.	Associate Professor
Salameh, Abdu	Ph.D.	Associate Professor
Al-Ghoul, Mazen	Ph.D.	Assistant Professor
Bouhadir, Kamal	Ph.D.	Assistant Professor
Ghaddar, Tarek (2 nd semester)	Ph.D.	Assistant Professor
Halaoui, Lara	Ph.D.	Assistant Professor
Hasanayn, Faraj	Ph.D.	Assistant Professor

Saliba, Najat	Ph.D.	Assistant Professor
Fares, Fares	Ph.D.	Lecturer
Deeb, Hana	M.Sc.	Instructor
Sadek-Hajj, Samar	M.Sc.	Instructor
Abi Rafi-Jaber, Randa	M.Sc.	Instructor
Hammoud, Chaza*	M.Sc.	Instructor
Ubayd-Abu Reslan, Hind*	M.Sc.	Instructor
Mansour-Shehadeh, Rania*	M.Sc.	Instructor

Assistant Instructors

Dakik, Rajaa’*	B.Sc.
Mehtar, Nizar* (2 nd semester)	B.Sc.

Graduate Assistants

Abou Aleiwe, Bilal	B.Sc.
Al-Musharafieh, Maysam	B.Sc.
Dakdouki, Mohamad	B.Sc.
Dakdouki, Saada	B.Sc.
Ezzedine, Rima	B.Sc.
Jaber, Lama	B.Sc.
Markarian, Marie Zabel	B.Sc.
Moussa, Samar	B.Sc.
Shatila, Rania	B.Sc.
Nasser, Niveen*	B.Sc.

Research Assistants

Flouti, Roula*	Ph.D.
Ghannoum, Sarah*	B.Sc.
Hamzeh, Shadia*	B.Sc.

Khoury, Jenny*	B.Sc.
Kouyoumdjian, Hovig*	B.Sc.
Mandalian, Lara*	B.Sc.
Markarian, Marie Zabel*	B.Sc.
Moussa, Samar*	B.Sc.
Nasser, Niven*	B.Sc.
Saab, Rana*	B.Sc.

* Part-time

Non-Academic

Ala'eddine, Hassan	Technician, Grade 07
Ghandour, Butros	Senior Technician, Grade 09
Haddad, Joyce	Clerk Typist, Grade 06
Kanbar, Hani	Technician, Grade 07
Ruzz, Adnan	Senior Technician, Grade 09
Sleiman Azar, Issam	Clerk, Grade 09
Yehiayan, Lucy	Technician, Grade 07

C. TEACHING

1. Number of Graduating Majors

B.S.	Oct. 2002	--
	Feb. 2003	1
	June 2003	11

2. Number of Majors

	<u>1st Sem.</u>	<u>2nd Sem.</u>
Graduates	10	11
Seniors	14	17
Juniors	16	14
Sophomores	24	26

3. Student Enrollment in Courses

	<u>Summer 02</u>	<u>1st Sem.</u>	<u>2nd Sem.</u>	<u>Total</u>
Courses numbered 300 and above	--	23	21	44
Courses numbered 211 through 299	30	280	383	693
Courses numbered 200 through 210	490	824	686	2000
Courses numbered below 200	--	<u>114</u>	<u>78</u>	<u>192</u>
	520	1241	1168	2929

4. Number of Credit Hours Offered

	<u>Summer 02</u>	<u>1st Sem.</u>	<u>2nd Sem.</u>	<u>Total</u>
Courses numbered 300 and above	--	13	15	28
Courses numbered 211 through 299	3	24	27	54
Courses numbered 200 through 210	18	22	22	62
Courses numbered below 200	--	<u>8</u>	<u>8</u>	<u>16</u>
	21	67	72	160

* Part-time

D. RESEARCH

Al-Ghoul, Mazen

1. “Computer simulation of the effect of multiplicative noise on the temporal oscillations of a nonlinear chemical oscillator”. Funded by URB.
2. “Design and implementation of a finite element method to solve multidimensional nonlinear reaction-diffusion equations in complex domains”. Funded by URB.
3. “The study of self-organizing patterns in a two-salt Liesegang system” (with R. Sultan). Funded by URB.
4. “Formulation and numerical analysis of the flow of a gas in a micro-channel by means of generalized hydrodynamics” (with Byung Chan Eu, McGill University). Funded by the National Research Council of Canada and by URB.

Bouhadir, Kamal

1. “Synthesis and polymerization of 1-nucleic base-3,4-bismethylenecyclopentane”. The main objective of this research is the synthesis of a carbocyclic DNA analog with a carbon backbone replacing the phosphate backbone in natural DNA. This polymer will be synthesized via the free-radical polymerization of the exocyclic double bonds of a cyclopentane monomer, with a nucleic base attached equidistant from the double bonds. Research in progress. Supported by URB.
2. “Determination of bioactive compounds in *Melia azedarach* extracts against economic pests in greenhouses”. The main objective of this research is to determine the bioactive components of extracts of the local *Melia azedarach* tree. The raw plant extracts will be purified and fractionated by SPE column chromatography and HPLC. Research in progress (with E. M. Abou-Fakhr Hammad). Supported by an LNCSR grant.
3. “Template-directed cyclopolymerization of 4-nucleic base-1,6-heptadienes: The synthesis of carbocyclic oligonucleotide analogs”. The goal of this project is the cyclopolymerization of 1,6-heptadiene monomers, with a nucleic base attached, via template-directed free-radical cyclopolymerization to yield carbocyclic ODN analogs. Research in progress (with L. Halaoui and F. Fares). Supported by an LNCSR grant.
4. “The synthesis and polymerization of 1,2-dimethylene-4-[1-{(1H,3H)-pyrimidin-2,4-dion-1-yl}]methylcyclopentane”. We have designed synthetic approaches for cyclopentane rings with two exocyclic double bonds and a nucleic base attached equidistant from the exocyclic bonds. The hypothesis underlining this research is that monomers bearing a butadiene resemblance could be polymerized to form carbocyclic DNA analogs. Research in progress (with F. Fares). Supported by an LNCSR grant.
5. “Synthesis of potential precursors to carbocyclic oligodeoxynucleotide analogs”. We are synthesizing nucleic bases coupled to diallylamine functional groups. The protonated form of these analogs is expected to cyclopolymerize in a similar manner to diallyldimethyl ammonium chloride to yield carbocyclic ODN analogs. Research in progress. Supported by the William and Flora Hewlett Foundation grant for paid research leave.
6. “Synthesis of C60 derivatives with amino and ester groups attached: precursors for C60 polymers with peptide backbones” The goal of this research is to synthesize C60 derivatives with two different functional groups attached to it. These groups could potentially serve as handles to couple a number of fullerenes to each other and form

polymers. We propose to synthesize a C60 adduct with a protected amino group and a protected carboxylic acid group. The amino group will be protected in the form of a dibenzylamino group and the carboxyl group will be protected in the form of a triphenylmethyl ester. Research in progress (with A. Salameh).

Fares, Fares

1. "Template-directed cyclopolymerization of 4-nucleic base-1,6-heptadienes: The synthesis of carbocyclic oligonucleotide analogs". The ultimate goal of this research is the cyclopolymerization of 1,6-heptadiene monomers, with a nucleic base attached, via template-directed free-radical cyclopolymerization to yield carbocyclic ODN analogs. Research in progress (with L. Halaoui and K. Bouhadir). Supported by LNCSR.
2. "The synthesis and cyclopolymerization of 1,2-dimethylene-4-[1-{(1H,3H)-pyrimidin-2,4-dion-1-yl}]methylcyclopentane" The overall objective of this research is to synthesize carbocyclic DNA analogs that are not susceptible to degradation in biological systems. Research in progress (with K. Bouhadir). Supported by LNCSR.
3. "Synthesis of nucleosides attached to a spiroacetal ring system". Spiroacetals form an important class of biologically active molecules. The combination of this chemical framework with nucleoside bases could also have important biological activity and has not been investigated. The similarity of the spiroacetal ring system to carbohydrates also opens the possibility of synthesizing some exciting nucleoside analogues, which have the potential of exhibiting antiviral activity. This project is in its initial exploratory stage (with Prof. M. Brimble at Auckland University, New Zealand).

Ghaddar, Tarek

1. "Dendrimers with highly absorptive chromophores for studying electron and energy transfer processes". Initial exploratory stage. Supported by URB.

Haddadin, Makhlof

1. "Quinoxaline 1,4-dioxides as potential anti-cancer agents". The synthesis of a number of quinoxaline 1,4-dioxides was carried out, and some of these compounds were found to be hypoxia selective agents. 2-Benzoyl-3-phenyl-6,7-dichloroquinoxaline 1,4-dioxide was specially effective as an angiogenesis inhibitor which potentiates anti-tumor effects of ionizing radiation. A paper, in collaboration with Dr. H. Muhtasib and Mr. M. M. Sidani (M.S. thesis) of the Biology department, has been written up and will be submitted for publication. Funded by the Beirut Reaction royalties grant, and the URB (Dr. Muhtasib's URB grant).
2. "Quinoxaline 1,4-dioxides induce G2/M arrest and apoptosis in human colon cancer cells", co-authored by Dr. H. Muhtasib and Dr. M. Assaf-Diab (Biology department), submitted for publication. Funded by the Beirut Reaction royalties grant, and the URB (Dr. Muhtasib's URB grant).

3. "Preparation of new quinoxaline1,4-dioxides". (with H. K. Kouyoumdjian, research assistant). Funded by the Beirut Reaction royalties grant, and the URB (Dr. Muhtasib's URB grant).
4. "2H-indazoles". In collaboration with Professor M. Z. Nazer (Univ. of Jordan) and Professor M. J. Kurth (Univ. of California at Davis). Recent results implicate o-nitrosobenzaldehyde as an intermediate in the formation of 2,3-disubstituted 2H-indazoles. Miss M. Markarian (former research assistant) and Mr. M. Mneimneh (Chem. 299, 2nd Semester of 2002-03) have succeeded in preparing this elusive intermediate by a new procedure involving the photolysis (Beirut sunlight) of o-nitrobenzyl alcohol. Further results have been reported by Professor M. Z. Nazer who describes the synthesis of new heterocyclic compounds from intermediates leading to 2H-indazoles. This project is half-way to writing a paper for publication. The AUB part is supported by funds from the Beirut Reaction royalties.
5. "Unsymmetrical cyclic azacyanines". This project is a continuation of work started last summer in the laboratories of Professor M. J. Kurth of the University of California at Davis. The first member of this class of unknown compounds was identified by IR and HNMR. The project turned out to be quite challenging and can be characterized as being in its initial stages. Funded by the Beirut Reaction royalties (M.J.H.) and the research grants of Professor M. J. Kurth.
6. "Diels-Alder reaction of pyridazines". Extrusion of nitrogen gas from pyridazines upon the reaction of the latter with dieneophile is currently investigated by Miss M. Khoukaz (undergraduate research assistant). The project is in its initial stage.

Halaoui, Lara

1. "Photoelectrochemistry in aqueous media at polyacrylate-capped Q-CdS assembled in a polyelectrolyte matrix on electrode surfaces". *J. Electrochem. Soc.* **2003**, in press. Supported by URB.
2. "Heteronanostructures of CdS and Pt nanoparticles in polyelectrolytes: factors governing the self-assembly, and light-induced charge transfer and transport processes". In: *Nanostructure Assemblies and Superstructures*. Ed. Nicholas Kotov. New York: Marcel Dekker, Inc. (Submitted 01/2003, tentative publication date: 12/2003). Invited (with S. Ghannoum, J. Jaber, M. Markarian and Y. Xin). Supported by URB.
3. "Electrostatic self-assembly of metal and semiconductor nanoparticles in polyelectrolytes: assembly dynamics, and electrochemical behavior". *Mater. Res. Soc. Proc.* **2003**, submitted. (with M. Markarian, J. Jaber, Y. Xin and S. Ghannoum). Supported by URB.
4. "Photoelectrochemistry at single-crystal semiconductor nanowires grown by vapor-liquid-solid (VLS) mechanism". Research conducted at Penn State University in collaboration with Thomas E. Mallouk et al. Support for L. Halaoui from a Fulbright Fellowship, and Hewlett Foundation paid research leave. Work in progress.
5. "Enhancing solar energy conversion efficiency at dye-sensitized TiO₂ solar cells by coupling with photonic crystals". Research conducted at Penn State University in collaboration with Thomas E. Mallouk et al. Support for L. Halaoui from a Fulbright Fellowship, and Hewlett Foundation paid research leave. One publication in *J. Am. Chem. Soc.*, and additional work in progress.

6. “Assembly of heterostructures of Pt nanoparticles in polyelectrolytes, and studying surface and size effects on the catalytic activity of nanocrystallites”. MS thesis research of Marie Zabel Markarian. Work in progress.

Hasanayn, Faraj

1. “Study of the low singlet and triplet states of the $d^4\eta^5$ -CpM(CO)₂X unsaturated fragment and its reaction with carbon monoxide (M = Cr, Mo, and W, X = anionic ligand)”. Research in progress. Supported by URB.
2. “Quantum chemical investigation of alkyl radical carbonylation mediated by transition metal carbonyl complexes. Study in its initial exploratory stage.

Salameh, Abdu

1. “Comparison of intermolecular electron transfer across different amino-acid and peptide spacers: differences in the peptide conformations introduced by alanine and proline oligomers with the same donor and acceptor groups.” Research completed and paper being written (in collaboration with Prof. S. Isied, Rutgers University, USA)
2. “The synthesis of pyrene- dimethylaminobenzene donor-acceptor, with alanine(s) spacers emission and transient absorption of these complexes investigated”. Research completed and paper being written (in collaboration with Prof. S. Isied, Rutgers University, USA).
3. “The synthesis of C60-ruthenium (acetylacetonate)₂ – 2,2’- bipyridine(s) donor- acceptor systems with proline(s) spacers”. Emission and absorption properties of such systems are studied. Research completed and paper being written (in collaboration with Prof. S. Isied, Rutgers University, USA).
4. “The synthesis and characterization of pyrenesulfonyl-proline peptides with 4-aminopyridine donor groups, and the study of their electron-transfer properties”. Research completed and paper being written.
5. “Synthesis of C60 derivatives with amino and ester groups attached: precursors for C60 polymers with peptide backbones”. Research in its initial exploratory stage. (In collaboration with Dr. Kamal Bouhadir).
6. “Reactions of aldehydes with zero platinum: synthesis and characterization”. Research in its initial exploratory stage.

Saliba, Najat

1. “Emission measurements and chemical profiling of particulate matter, i.e. PM10 and PM2.5”. Research in progress and article in preparation (with Huda Al-Shakaa). Equipment donated by the California Air Resources Board (CARB), and project supported by URB.
2. “Understanding the NO₂ hydrolysis heterogeneous reaction under different climatic conditions”. Research in progress and article in preparation (with Marwan Ghosn). Project Supported by URB and LNCSR.
3. “Effect of seasonal change on HONO emission indoors”. Research in progress and article in preparation (with Dr. Roula Flouty). Project supported by URB.

4. “Measuring volatile organic compounds such as carbonyls and acids in the air using SPE cartridges and HPLC”. Research in progress and article in preparation (with Samar Moussa). Project supported by URB and USAID under the coastal zone management project.
5. “Understanding the weekend effect by measuring emission of CO, NO_x, SO₂, and O₃”. Research in its initial exploratory stage (with Cyril Chemali, in collaboration with prof. Mutassem El-Fadel). Project supported by USAID under the coastal zone management project.
6. “Extraction and chemical profiling of *Centaurea Aintensis*; an indigenous Lebanese plant showing interesting biological activities”. Research at its initial exploratory stage (with Saada Dakdouki). Project supported by Mercy Corps, and under the sponsorship of IBSAR (Initiatives for Biodiversity Studies in Arid Regions).
7. “Extraction and chemical profiling of *Ranunculus Mysorudes*; an indigenous Lebanese plant showing interesting biological activities”. Research in its initial exploratory stage (with Rima Ezzedine). Project supported by Mercy Corps, and under IBSAR (Initiatives for Biodiversity Studies in Arid Regions).
8. “Extraction and chemical profiling of essential oil from *Salvia Triloba*”. Research in progress (with Amal Abu Hatab, in collaboration with prof. Salma Talhouk). Project supported by Mercy Corps, and under the sponsorship of IBSAR (Initiatives for Biodiversity Studies in Arid Regions).

Sultan, Rabih

1. “Morphology, particle size distribution and composition in one- and two-salt metal oxinates”. Submitted (with L. Mandalian, M. Fahs, M. Al-Ghoul).
2. “Density, fractal angle and fractal dimension in linear and circular Zn electro-deposition morphology”. Continuation of the project started last year. Experimental study of ramified structures or dendrites of Zn, which form at the cathode and spread in 2D, during the electrolysis of a Zn²⁺ solution in circular and rectangular cells. Research in progress (with R. Saab). Supported by URB.
3. “Dynamics of precipitation/dissolution fronts and band composition in Co(OH)₂/Ni(OH)₂ migrating Liesegang patterns”. (with M. Al-Msharrafieh and M. Al-Ghoul). Supported by URB.
4. “Taming ring morphology in 2D Co(OH)₂ Liesegang patterns”. Effect of gel concentration, concentration of the diffusing electrolyte and strength of an applied *radial* electric field on the morphology of concentric 2D Co(OH)₂ rings. The study explains how the latter can be controlled and tamed by varying the above-mentioned parameters. Research completed and paper being written (with Z. Shreif). Supported by URB.
5. “Distortions of circular symmetry in 2D Co(OH)₂ Liesegang patterns”. Interesting patterning features of ring distortion are exhibited when a *linear* electric field is applied across a 2D (circular) Liesegang diffusion-precipitation medium. Research in its initial exploratory stage (with L. Mandalian). Supported by URB.
6. “In-situ simulation of geological self-organization”. Striking similarities exist between Liesegang band formation and periodic zoning and stratification in rocks. While mathematical modeling of such systems is abundant in the literature, we present a first attempt to simulate this phenomenon in-situ, i.e. in real rock systems, and formulate the problem theoretically (with M. Al-Msharrafieh and M. Al-Ghoul).

E. OTHER STAFF ACTIVITIES

Al-Ghoul, Mazen

1. Visiting Scientist to the Center for Computational Sciences, University of London. August 2002.
2. Computer lab coordinator.
3. Academic advisor, junior Chemistry students.
4. Member, Chemistry graduate committee.
5. Associate member, Center for Advanced Mathematical Sciences (CAMS).
6. Facilitator of the Faculty Seminar in University Teaching Sessions; 2002.
7. Member of the organizing committee for the "Twelfth International Conference on Discrete Simulation of Fluid Dynamics", CAMS, AUB.
8. Member of the SARIMA (Soutien aux Activités de Recherche Informatique et Mathématique en Afrique) project local committee. SARIMA is a French fully-supported effort to fund and organize research groups and Ph.D. programs between France and Lebanon.
9. Diplôme d'Etudes Approfondies (DEA) thesis supervisor for Miss. Jenny El-Khoury.
10. Ph.D. co-advisor with Prof. Jocelyne Erhel (INRIA, IRISA, Université de Rennes), for Miss J. El-Khoury.
11. Directed the undergraduate research project of Adnan Al-Ayoubi (Chem. 299).
12. Invited speaker in the SMEC workshop, May 2003.
13. Judge, Science Fair organized by AUB Department of Education.

Bouhadir, Kamal

1. Member, American Chemical Society (ACS).
2. Member, Phi Lambda Upsilon (Honorary Chemical Society).
3. Member, Chemistry equipment committee.
4. Member, Central Science Research Laboratory Committee (CSRL).
5. Academic advisor, sophomore Chemistry students.
6. Departmental safety officer.
7. Member, Initiative for Biodiversity Studies in Arid Regions (IBSAR).
8. Member of the thesis committee of Marwan Akkary, Department of Crop Production & Protection.
9. MS thesis advisor of Niveen Nasser, Bilal Abou-Aleiwe, and Rania Shatila.
10. Supervisor of the student elections for Fall 2002-3.

Fares, Fares

1. Chairperson, Chemistry library committee.
2. Member, Chemistry graduate committee.

Ghaddar, Tarek

1. Member, American Chemical Society (ACS).
2. Delivered a departmental seminar entitled: "Chromophore-labeled dendrimers as vehicles for light harvesting and for initiating multiple electron transfers" (March 2003).

Haddadin, Makhlof

1. Advisor, Chemistry graduate students.
2. Departmental seminar coordinator.
3. Member, FAS ad-hoc committee (Jewett Professorship).
4. Member, Board of Trustees, Balamand University.
5. Member and reviewer of papers, advisory board of the international journal of "Archives of Organic Chemistry", ARKIVOC.
6. Directed the undergraduate research project of Mohamad Mneimneh (Chem. 299).
7. MS thesis advisor of Mohamad Dakdouki.

Halaoui, Lara

1. Recipient of a Fulbright fellowship. Project entitled "Organized structures of mesoscopic materials: towards a nanotechnology for light-harvesting devices". Funding period: September 2002 - June 2003. Leave spent at Penn State University, hosted by prof. T. E. Mallouk.
2. Recipient of the William and Flora Hewlett Foundation grant for paid research leave. Project entitled: "Organized structures of mesoscopic materials: towards a nanotechnology for light-harvesting devices". February 2003 - June 2003. Leave spent at Penn State University, hosted by prof. T. E. Mallouk.
3. Delivered a seminar entitled: Layer-by-layer self-assembly and photoelectrochemistry of nanoparticles in polyelectrolytes (September 16, 2002). Chemistry Department, Pennsylvania State University, State College, PA.
4. Delivered an oral presentation entitled: "Self-assembled films of Pt and CdS nanocrystallites in polyelectrolytes: parameters determining the kinetics of assembly, and photoelectrochemical behavior". American Chemical Society national meeting, March 24-28, 2003 (with S. Ghannoum, M. Markarian, Y. Xin and J. Jaber). Travel supported by the International Council for the Exchange of Scholars, Washington DC, USA.
5. Delivered an oral presentation entitled: "Electrostatic self-assembly of metal and semiconductor nanoparticles in polyelectrolytes: factors governing the assembly, and photoelectrochemical behavior". Materials Research Society national meeting, San Francisco, April 21-25, 2003 (with S. Ghannoum, M. Markarian, Y. Xin and J. Jaber). Travel supported by URB.
6. Session Chair, 9th International Conference on Composite Engineering, San Diego, CA, July 1-7, 2002. Travel supported by URB.
7. MS thesis Advisor of Marie Zabel Markarian.
8. Member, American Chemical Society (ACS).
9. Member, Materials Research Society.

Hasanayn, Faraj

1. Member, Chemistry curriculum committee.
2. Member, Chemistry equipment committee.
3. Member, American Chemical Society (ACS).
4. Delivered two departmental seminars entitled: "Geometry distortion in unsaturated CpM(CO)_n transition metal complexes (n=1-3)" (December 2002), and "Why would CO dissociation from a metal complex have an activation barrier? The case of CpM(CO)₃X (M = Cr, Mo, and W)" (May 2003).

Kasparian, Marie

1. Member, Chemistry curriculum committee.
2. Advisor, old junior Chemistry students.

Salameh, Abdu

1. Chairman, Chemistry graduate committee.
2. Advisor, Chemistry Students' Society.
3. Advisor, senior Chemistry majors.

Saliba, Najat

1. Introduced new experiments utilizing a wide range of modern analytical techniques, into the Analytical Chemistry graduate course Chem. 331.
2. Head of the extraction group in IBSAR (Initiatives for Biodiversity Studies in Arid Regions).
3. Contributed to the AUB open house.
4. Helped in organizing a workshop on the "Biodiversity Opportunities in Lebanon: Industry".
5. Participated in the orientation program for the new faculty members.
6. Chairperson, Chemistry equipment committee.
7. ASHA grant coordinator and representative.
8. Active researcher in two interfaculty programs: Environmental and Biodiversity.
9. Co-advisor of the AUB Yoga club.
10. Freshman Advisor.
11. Served on a student thesis committee: Michel Mohawej, Civil Engineering.
12. Member of the American Chemical Society (ACS).
13. Member of the American Geological Union.
14. MS thesis advisor of Samar Moussa, Saada Dakdouki and Rima Ezzeddine.
15. Directed the undergraduate research project of Huda Al-Shakaa (Chem. 299).

Sultan, Rabih

1. Member, American Chemical Society (ACS) and New York Academy of Sciences (NYAS).
2. Chairman of the Chemistry Department.
3. Member, medical admissions committee.

4. Chair, Chemistry curriculum committee.
5. Delivered an *invited seminar talk* at the “First Workshop on Dynamics and its Applications”, Center for Advanced Mathematical Sciences (CAMS), American University of Beirut (AUB), Beirut, Lebanon, October 2002. The talk was entitled: “Front Propagation in Periodic Precipitation Systems with Re-dissolution”. Delivered a departmental seminar entitled: “Exotic Structures in Precipitation and Metal Electro-deposition Systems” (April 2003).
7. Refereed articles for publication in the journals: ChemPhysChem, Physical Chemistry Chemical Physics (PCCP) and Chemical Physics Letters.
8. Refereed research proposals for the Lebanese National Council for Scientific Research (CNRS) and the Petroleum Research Fund (PRF).
9. Attended a Gordon Research Conference on “Oscillations and Dynamic Instabilities in Chemical Systems”, Queen's College, Oxford, UK, July/August 2002. Presented a poster entitled: “1D Simulations and 2D Experiments in Electro-Liesegang Systems” (with Z. Shreif and M. Al-Ghoul).
10. Prepared the new job description/performance appraisal (JDPA) forms for the Chemistry Department.
11. MS thesis advisor of Maysam Al-Msharrafieh.
12. Department’s web page coordinator.
13. Supervisor, students’ elections (fall 2002-03).

F. PUBLICATIONS

Al-Ghoul, Mazen

1. Zeina Shreif, **Mazen Al-Ghoul**, and Rabih Sultan, “Effect of competitive complex formation on patterning and front propagation in periodic precipitation”, *ChemPhysChem*, **2002**, 3, 592-598.
2. **M. Al-Ghoul** and R. Sultan, “Front propagation in patterned precipitation 2. Electric effects in precipitation-dissolution patterning schemes” *Journal of Physical Chemistry A*, **2003**, 197, 1095-1101.

Bouhadir, Kamal

1. K. Y. Lee, **K. H. Bouhadir** and D. J. Mooney, “Evaluation of chain stiffness of partially oxidized alginate derivatives”, *Biomacromolecules*, **2002**, 3 (6), 1129-1134.
2. J. Y. Tsai, **K. H. Bouhadir**, J. L. Zhou, T. R. Webb, Y. Sun and P. B. Shevlin, “Synthesis of purine- and pyrimidine-substituted heptadienes. The stereochemistry of cyclization and cyclopolymerization products” *J. Org. Chem.*, **2003**, 68 (4), 1235-1241.

Ghaddar, Tarek

1. **T. Ghaddar**, J. Wishart, D. Thompson, J. Whitesell, and M.A. Fox, “A dendrimer-based electron antenna: paired electron transfer reactions in dendrimers with a 4,4'-bipyridine core and naphthalene peripheral groups” *J. Amer. Chem. Soc.*, **2002**, 124 (28), 8285.

Haddadin, Makhoulouf

a) Articles:

1. M. Diab-Assaf, **M. J. Haddadin**, P. Yared, C. Al-Assaad., S. Haddad and H. U. Gali-Muhtasib, "Quinoxaline 1,4-dioxides: hypoxia selective therapeutic agents", *Molecular Carcinogenesis*, **2002**, 33 (4), 198-205.

b) Abstracts:

1. H. U. Gali-Muhtasib, M. M. Sidani, M. Diab-Assaf, and **M. J. Haddadin**, "2-benzoyl-3-phenyl-6,7-dichloroquinoxaline 1,4-dioxide is a novel angiogenesis inhibitor that potentiates the antitumor effects of ionizing radiation." Proceedings of the 1st International Conference on Hypoxia/IF Mediated Responses in Tumor Biology. November 27-29, **2002**, Manchester, UK. p. 6.
2. R. Renno, Terada, **M. J. Haddadin**, F. C. Delori, J. W. Gragoudas and J. W. Miller, "Selective targeting of verteporfin to choroidal neovascularization mediated by a homing peptide to VEGF-R2". The Association for Research in Vision and Ophthalmology meeting, May 5-10, 3977, Lauderdale, FL, **2002**.
3. H. Gali-Muhtasib, M. Sidani, M. Diab-Assaf, **M. Haddadin**, F. Geara, and G. Zaatari, "An evaluation of radiosensitization effects of quinoxaline 1,4-dioxides". Second International Conference on Translational Research and Pre-Clinical Strategies in Radio-Oncology. March 16-19, 2003, Lugano, Switzerland. *International Journal of Radiation Oncology and Biology and Physics*, **2003**, 55 (2), 506.
4. J. W. Miller, R. Z. Renno, Terada, **M. J. Haddadin**, F. Delori, N. Michaud, and E. S. Gragoudas, "Targeted photodynamic therapy of experimental choroidal neovascularization using verteporfin and a homing peptide to VEGF- R2". Retina Congress 2002, San Francisco, CA, USA. September 28-30, 2002. Symposium 2: Photodynamic therapy for age-related macular degeneration. September 29, **2002**, p. 11.
5. The above abstracts 2 and 4 were part of the lecture of Professor Joan W. Miller (Massachusetts Eye and Ear Institute, Harvard Medical School) at the Club Jules Gonin on occasion of her being awarded the prestigious Jules Gonin Award, August 31-Sept. 4, 2002, Lausanne, Switzerland.

Halaoui, Lara

1. **L. I. Halaoui**, Y. Xin and J. Jaber, "Semiconductor and metal nanoparticles in polyelectrolyte polymers: multilayered self-assembly, and charge transfer and transport processes", *Proceedings of the 9th International Conference on Composites Engineering*, Ed. David Hui, Univ. of New Orleans. **2002**, 9, 271-272. (invited)
2. S. Ghannoum, Y. Xin, J. Jaber and **L. I. Halaoui**, "Self-assembly of polyacrylate-capped Pt nanoparticles on a polyelectrolyte surface: kinetics of adsorption, and effect of ionic strength and deposition protocol", *Langmuir*, **2003**, 19, 4804-4811.
3. S. Nihimura, N. Abrams, B. A. Lewis, **L. I. Halaoui**, T. E. Mallouk, K. Benkstein, J. van de Lagemaat and A. J. Frank, "Standing wave enhancement of red absorbance and photocurrent in dye-sensitized titanium dioxide photoelectrodes coupled to photonic crystals". *J. Am. Chem. Soc.* **2003**, 125, 6306-6310.

Salameh, Abdu

1. Y. Abou -Jawdeh, H. Sobh and **A. Salameh** "Antimycotic activities of selected plant flor, growing wild in Lebanon against phytopathogenic fungi." *J. Agr. Food Chem.*, **2002**, 50, 3208-3213.

Sultan, Rabih

1. Zeina Shreif, Mazen Al-Ghoul and **Rabih Sultan**, "Effect of competitive complex formation on patterning and front propagation in periodic precipitation", *ChemPhysChem*, **2002**, 3 (7), 592-598.
2. Lara Mandalian and **Rabih Sultan**, "Fractal structures in $PbF_2/Pb(NO_3)_2$ precipitate systems", *Collection of Czechoslovak Chemical Communications (CCCC)*, **2002**, 67, 1729-1742.
3. M. Al-Ghoul and **R. Sultan**, "Front propagation in patterned precipitation 2. Electric effects in precipitation-dissolution patterning schemes", *J. Phys. Chem. A*, **2003**, 107, 1095-1101.
4. Nadeen Hilal and **Rabih Sultan**, "Density oscillations in precipitate domains of a propagating $Cr(OH)_3$ ring", *Chem. Phys. Lett.*, **2003**, 373, 183-186.

G. FUTURE DEVELOPMENT

Chemistry will constantly work on expanding its specialized offerings. Under Chem. 351 (the Special Topics graduate course), a novel subject not offered previously will be covered: "Chemistry of Synthetic Polymers for Biomedical Applications".

After a comprehensive reassessment of its programs, manpower and facilities, the Department may consider unfreezing the Ph.D. program in the year to come, especially given the increase in the number of graduate students (see part A). However, the Department decided (in a faculty meeting) to postpone submitting such a proposal until the University announces officially the implementation of the Ph. D. program.

The Department has amply benefited from the Electronic Reserve facility on the Library web page, and has used it in an efficient manner. The Department's web page is being updated on a permanent basis. It contains an up-to-date summary of the Chemistry programs, the research interests and recent publications of the faculty members, as well as a calendar of the on-going events in the Department. A special section on the execution of Capital Projects in the Chemistry building, will soon be added to the page.

Regarding the computer lab reorganization, we recently created a domain using Active Directory, a setup that facilitates the administration of the users' accounts. Different policies now exist for different users. These include disk and printing quotas, application sharing and web access. This domain will be in full implementation near the mid-summer 2003. The computer lab is supervised and maintained by Dr. Al-Ghoul. Office PC's were provided for all full-time instructors, in equity with professors. The networking of the building was extended to serve all the research laboratories in the 4th and 5th floors. Rooms 101 (classroom) and 001 (auditorium) were recently equipped with expanded multimedia facilities, and nowadays serve

the Faculty of Arts and Sciences as a whole, through an online reservation procedure introduced by the Dean's office.

New periodic tables for students' use in Chemistry exams will be designed and printed to replace the old yellow charts.

Thanks to the efforts of the Chemistry Library representative (Dr. Fares Fares), there was a notable increase this year, in the purchase of Chemistry books for the enrichment of the Science Library in modern Chemistry publications. The Chemistry Library expenditures mounted up to \$11,765 from the original \$15,000 allocation. Lately, ACS journals became accessible online through the AUB Library homepage. This long-awaited move constitutes a major development, and greatly serves the Chemistry research machinery.

Capital projects for the renovation of the Chemistry building infrastructure and laboratory facilities continue to be implemented in a gradual manner. Funding for such works is obtained from AUB and ASHA. The first phase of the fume hood projects was completed. Seventeen hoods were entirely refurbished and three new hoods were installed. Priority was given to organic chemistry labs where most of the fumes and volatile organic materials prevail. Major works for the second phase will be started this summer (2003) in the remaining teaching labs. The rest (research labs in the whole building) is projected for next year (\$233,580 are needed to complete the project). Gas and water faucets will also be changed gradually. The first phase of faucet replacement will be launched this summer (awaiting ordered material to arrive). This will furnish about 60% of water and gas tap facilities. The remainder of the works will be continued when enough funds become available (\$60,000 projected).

Future capital projects, for which funding is being raised through ASHA support and Annual Capital Projects budget, group the replacement of the students' lab bench-tops together with the wooden cabinets underneath them. The benches and cabinets are in deteriorating condition due to excessive exposure to acids and other corrosive chemicals. They have not been changed since the construction of the building (1968). The windows of the northern face of the building will all be replaced by new ones, with aluminum frames.

Additional new office furniture was purchased to furnish, in a uniform manner, the remainder of the faculty offices (new and returning faculty). New marble signs were installed at the entrance of the Chemistry building to replace the old brass ones. The students' lockers were renovated and painted, and are ready for use by all Chemistry students next year. The Department now has its own, new Fax machine.

The Department started the implementation of the "Laboratory Safety Action Plan" (LSAP), in continuous coordination with the Safety Center through the Department's Safety Officer, Dr. Kamal Bouhadir. The latter circulated a memo to the laboratory instructors on the enforcement of the safety regulations. A safety orientation seminar was organized by the Safety Center for all students enrolled in introductory Chemistry laboratory courses, along with their instructors. Funding for the installation of a fire alarm system was approved. The design has been completed by Physical Plant and approved by the Safety Center. The installation works are expected to begin in July 2003. The cold room clean-up operation was completed. The chemicals were stored in special lab-packed containers. Disposal and shipment of the waste was approved by the Ministry of the Environment and is expected to take place in mid-July (conducted by the AUB Safety Center). The rehabilitation project (explosion-proof chiller, fire-

proof lamps, removal of the sockets to the outside) is however still hanging. Lab doors were equipped with special grills and fans for proper ventilation and evacuation of the cool air from the central AC. Lab rooms were treated with anti-fungus spray.

The Department is pursuing closely some additional basic facilities in the Chemistry building. This includes the installation of an elevator in the second existing shaft, and the transformation of room 009 in the basement into a vast exam room, a project of great potential benefit to the whole Faculty of Arts and Sciences. A proposal for the upgrading of the Glass shop with a detailed budgetary description was presented to the Dean by the Chemistry and Physics departments, through the Glass Shop Supervisor (Dr. Theodore Christidis from Physics).

The ASHA grant is gradually promoting the research facilities, by allowing the purchase of new, sophisticated instruments for research. Two UV-Vis spectrophotometers, a BET surface area analyzer, a computer-controlled multilayer formation instrument, an ion chromatograph and an advanced potentiostat are expected to arrive soon to the CRSL.

The growing and expanding research facilities, along with other resources such as the increasing number of graduate students is creating a favorable environment for the re-initiation of the Ph.D. program.

R. Sultan
Chair

CIVILIZATION SEQUENCE PROGRAM

A. SUMMARY OF PROGRAMS

The Civilization Sequence Program (CVSP) continued with its newly restructured program providing a varied menu and allowing students to take courses in other departments in fulfillment of the humanities requirement. Serious scrutiny of the role of CVSP was carried out as part of the AUB accreditation process (self-study tt12 on General Education) and its findings will inevitably be integrated into our operation.

The Program was enriched with the presence of Whittlesey Chair visiting Prof. Takahiro Aoyagi who offered a variety of courses in Music and Ethnomusicology. Additional new courses were introduced by Reem Deeb with Introduction to Voice Performance (CVSP 244), David Kurani with Watercolor and Illustration (CVSP 224), and Karla Mallette with Mediterranean Encounters (CVSP 295ME). Hussein Yaghi taught Drawing for the first time and Lina Abiad directed an Arabic play: *'Eeda Min Al Awwal*. Sharif Abdunnur and Hani Hassan authored and presented a number of theatrical events in the renovated West Hall Auditorium (*Starter of Wars*, A Capella concert, and *Godot*). Paul Meers and Reem Deeb continued to provide several innovative concerts, Shebay'a and Kurani presented the first major theatrical production in the renovated West Hall Auditorium, and end-of-year student exhibitions were held by Amal Muraywed (Ceramics), Mona Saoudi (Sculpture), and Helen Karam, Hussein Yaghi, and David Kurani (painting and drawing).

Finally, under the heading "Knowledge and the Future" the CVSP Forum hosted five public lectures as listed in the next item below.

THE FORUM OF THE CIVILIZATION SEQUENCE PROGRAM 2002 – 2003

Coordinated by: Mona T. Amyuni & Amal Dibo

1. Nov. 6, 2002: President J. Waterbury: "What would I like to know about the future? Can our present knowledge help me".
2. Jan. 8, 2003: Prof. Tarif Khalidy: "Islam, Jesus and World Dialogue".
3. Feb. 26, 2003: Dr. Marie-Louise Coussa-Konisky: "Wake-up for the Future".
4. April 9, 2003: Dr. Nafhat Nasr: "Globalization without Globalism?"
5. May 14, 2003: H.E. Mr. Ghassan Tueini: "Where to from here?"

B. PERSONNEL

ACADEMIC

Abdunnur, Sharif	M.A.	Instructor	CVSP
Amyuni, Mona	Ph.D.	Associate Professor	CVSP
Aoyagi, Takahiro	Ph.D.	Assistant Professor ¹	CVSP
Arabi, Oussama	Ph.D.	Lecturer	CVSP & Phil.
Arasoghli, Aida	M.A.	Instructor	CVSP
Azzam, Intisar	Ph.D.	Assistant Professor	SBS
Bardawil, Ousama	M.A.	Instructor	CVSP (pt)
Bornedal, Peter	Ph.D.	Associate Professor	CVSP
Bu-Alwan, Hayat	Ph.D.	Lecturer	CVSP (pt)
Butcher, Kevin	Ph.D.	Associate Professor	History & Arch.
Dadoyan, Seta	Ph.D.	Lecturer	CVSP & Eng'g.
Deeb, Reem	D.M.	Lecturer	CVSP
Dibo, Amal	M.A.	Instructor	CVSP
Faddoul, Atif	Ph.D.	Lecturer	CVSP (pt)
Fakhry, Rima	M.A.	Instructor	Engl. & CVSP
Hamati-Ataya, Inana	M.A.	Instructor	CVSP & PSPA
Harb, Serine	Ph.D.	Assistant Professor	English
Hassan, Hani	M.A.	Instructor	CVSP & Phil.
Hayek, Ghinwa	M.A.	Instructor	CVSP
Hoffmann Raymond J.	Ph.D.	Associate Professor	CVSP (1 st semester)
Jarrar, Maher	Ph.D.	Associate Professor	CVSP (on leave)
Karam, Helen	D.E.S. ²	Lecturer	CVSP & Eng'g.
Khalidi, Muh'd.Ali	Ph.D.	Associate Professor	Philosophy
Khoury, Samira	M.A.	Instructor	CVSP
Koistinen, David	Ph.D.	Assistant Professor	History & Arch.
Kurani, David	Dipl. ³	Senior Lecturer	CVSP
Long, Andrew	Ph.D.	Assistant Professor	Engl. & CVSP
Mabrouk-Suleiman, Magda	M.A.	Instructor	CVSP & Educ.
Malette, Karla	Ph.D.	Assistant Professor	CVSP
Meloy, John	Ph.D.	Assistant Professor	History & Arch.
Meers, Paul	D.M.	Assistant Professor	CVSP
Moussalli, Ahmad	Ph.D.	Associate Professor	PSPA & CVSP
Muraywid, Amal	Ph.D.	Senior Lecturer	CVSP
Nassar, C. Suhail	Ph.D.	Associate Professor	Engl. & CVSP
Osborne, Gregg	Ph.D.	Assistant Professor	Philosophy
Pinto, Karen	Ph.D.	Assistant Professor	CVSP
Sader, Helen	Ph.D.	Associate Professor	History & Arch.
Samaha, Raed	M.A.	Instructor	CVSP & Phil.
Saoudi, Mona	Dipl. ⁴	Senior Lecturer	CVSP

¹ Whittlesey Chair appointment

² D.E.S. Leb.University.

³ Diploma in Acting, Bristol Old Vic Theater School

Shebaya, Peter	M.A. Senior Lecturer	CVSP (Director)
Shehadeh, Lamia	Ph.D. Associate Professor	CVSP
Smith, Richard	Ph.D. Associate Professor	SBS & CVSP
Tomeh, Edward	M.A. Instructor	CVSP (pt)
Wrisley, David	Ph.D. Assistant Professor	CVSP
Yaghi, Hussein	Ph.D. Associate Professor	Education

ASSISTANT INSTRUCTOR

Nabbout, George	B.A.	CVSP
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GRADUATE ASSISTANTS

Aoun, Anis	B.A. (II sem.)
Dada, Farah	B.A. (I & II Sem.)
Mansour, Alia	B.A. (I & II Sem.)
Mousalli, Salah	B.A. (I & II Sem.)

NON-ACADEMIC

Attiyeh, Mona	Secretary
Bu-Salih, Ilyas	Clerk

C. TEACHING

Fall Semester 2002-2003

Core Curriculum

CVSP 201	17	Sections	447 students
CVSP 202	6	Sections	163 students
CVSP 203	17	Sections	413 students
CVSP 204	12	Sections	330 students
CVSP 205	9	Sections	250 students
CVSP 207A	1	Section	26 students
CVSP 207B	1	Section	29 students
Total Number of Students:	1658	students	(Previous year 1833)

Elective Courses

CVSP	110	1 section	15 students
CVSP	111	1 section	26 students
CVSP	150	1 section	28 students
CVSP/Art	220	2 sections	39 students
CVSP/Art	223	1 section	10 students
CVSP/Art	229	2 sections	36 students
CVSP/Art	229B	1 section	10 students
CVSP	230	1 section	30 students
CVSP/Art	233	2 sections	21 students
CVSP/Art	234	1 section	7 students

⁴ Diplome Superieure D'Art Plastique

CVSP/Music 240	1 section	17 students
CVSP/Music 242	1 section	15 students
CVSP/Music 242A	1 section	3 students
CVSP/Music 242B	1 section	1 student
CVSP/Music 243	1 section	1 student
CVSP/Music 243A	1 section	1 student
CVSP/Music 246	1 section	30 students
CVSP/Music 247	1 section	11 students
CVSP 250	1 section	30 students
CVSP/Music 261	1 section	18 students
CVSP/Theater 265	1 section	30 students
CVSP/Theater 267	1 section	19 students
CVSP/Theater 274	1 section	16 students
CVSP/Theater 283	1 section	18 students
CVSP/Theater 284	1 section	15 students
CVSP 295 M	1 section	8 students
CVSP 295 PM	1 section	18 students
CVSP/French 201	1 section	27 students
CVSP/French 202	1 section	12 students
CVSP/French 216	1 section	6 students
Total Number of Students:	518 students	(Previous year 467)

Total Number of All Students: 2176 students (Previous year 2300)
Total Number of Credit Hours: 278 (Previous year 270)

Spring Semester 2002-2003

Core Curriculum Courses

CVSP 201	11 sections	306 students
CVSP 202	13 sections	320 students
CVSP 203	9 sections	226 students
CVSP 204	15 sections	436 students
CVSP 206	11 sections	310 students
CVSP 208A	1 section	31 students
CVSP 208B	1 section	23 students

Total Number of Students: 1652 Students (Previous year 1844)

Elective Courses

CVSP 110	1 section	27 students
CVSP 112	1 section	31 students
CVSP 150	1 section	32 students
CVSP/Art 220	1 sections	19 students
CVSP/Art 222	1 sections	20 students
CVSP/Art 223	1 section	20 students
CVSP/Art 224	1 section	17 students
CVSP/Art 229	2 sections	34 students
CVSP/Art 229B	1 section	14 students

CVSP/Art	233	2 sections	31 students
CVSP/Art	234	1 section	8 students
CVSP/Music	241	1 section	24 students
CVSP/Music	242	1 section	12 students
CVSP/Music	242A	1 section	6 students
CVSP/Music	242B	1 section	4 students
CVSP/Music	243	1 section	2 students
CVSP/Music	243A	1 section	3 students
CVSP/Music	243B	1 section	0 students
CVSP/Music	244	1 section	21 students
CVSP/Music	246	1 section	20 students
CVSP/Music	248	1 section	7 students
CVSP/Art	251	1 section	17 students
CVSP/Theater	270	1 section	36 students
CVSP/Theater	283	2 section	45 students
CVSP/Theater	284	1 section	6 students
CVSP	295E	1 section	7 students
CVSP	295MA	1 section	20 students
CVSP	295ME	1 section	13 students
CVSP	295N	1 section	8 students
CVSP	295W	1 section	29 students
CVSP/French	201	2 sections	59 students
CVSP/French	215	1 section	12 students
Total Number of Students:		604 students	(Previous year 546)
Total Number of All Students:		2256 students	(Previous year 2390)
Total Number of Credit Hours:		269	(Previous year 269)
Total (students) for Both Semesters:		4432 students	(Previous year 4690)
Total (credit hours) for Both Semesters:		547	(Previous year 539)

D. RESEARCH

Abdunnur, Sharif

Ongoing research on a book on Arabian Chivalry, Heraldry and its Social and Military Origins (*Al Furuṣiyya Wa Al Futuwwa*). Coauthored with Prof. Carl Magnus Lindgren III from the American Military University.

Articles in Press:

Sharif Abdunnur and Carl Magnus Lindgren III, “Arabian Chivalry”, in *The Journal of the American Academy for Genealogical and Heraldic Sciences*, October 2003.

Arabi, Oussama

“The Regimentation of the Subject: Madness in Islamic and Modern Arab Civil Laws”. Study in Press, in Baudouin Dupret, ed., *Legal Personality: The Person and the Law in the Arab Context*, London, I.B. Tauris.

Bornedal, Peter

Work in Press or accepted for publication:

1. The book manuscript, *At the Beginning of Knowledge—Deconstructing Broken Logic in Grice, Habermas, and Stuart Mill*. Approximately 250 pages.
2. The article, *The Pleasure of Resistance—On the Theory of Pleasure in Nietzsche*. Approximately 20 pages.
3. The article, *Three Objections to the Neo-Pragmatism of Stanley Fish* [provisional working title]. Approximately 15 pages.

Work under review:

1. The article, *On the ‘Origin of Language’ in Analytic Philosophy*. Approximately 20 pages.
2. The article, *Living in the Mirror—On Sensation, Consciousness, and Language in Leibniz and Nietzsche*. Approximately 25 pages.
3. The article, *On the Ignorance of a Poet—Conflicting Representations of Women in a Poem by J. P. Jacobsen*. Approximately 25 pages.

Work in progress:

1. Book manuscript, *The Surface and the Abyss—Inquiries into Nietzsche’s Theories of Language, Consciousness, and Transgression*. Four chapters out of a projected eight are completed. The work represents a Nietzsche interpretation which—transcending the current popular ‘post-modernist Nietzsche’—introduces Nietzsche as foreshadowing recent discoveries in linguistics, cognitive science, and neuroscience; thus, a much more ‘scientific Nietzsche’ than is usually envisioned.
2. Book manuscript, *The Distinction that Never Was—Critical Reevaluations of Anti-Foundationalist Assumptions in Deconstruction and Neo-Pragmatism*. Four critical essays on Jacques Derrida, Paul de Man, Richard Rorty, and Stanley Fish. Material still in draft form.

Hassan, Hani

Continuing work on rewriting MA thesis as a journal article on Henry Staten’s misreading of political ambiguity in Friedrich Nietzsche’s works.

Mallette, Karla

1. “Misunderstood” (journal article), accepted for publication by *New Literary History*.
2. “Translating Sicily” (journal article), accepted for publication by *Medieval Encounters: Jewish, Christian and Muslim Culture in Confluence and Dialogue*.
3. “Arabic Literature in Italy” (encyclopedia article), accepted for publication in *Medieval Italy*, Routledge Press.
4. “Michele Amari, Sicilian” (journal article), research completed and paper being written for submission to *PMLA*.
5. “Dante, la *Commedia*, e il pensiero islamico” (journal article), research completed and paper being written for submission to *Lettere italiane*.

6. "Dante and the Divine Comedy" (encyclopedia article), research completed and paper being written for *Italian Literature and its Times*, Moss Publishing
7. *Translating Sicily* (book), final revision stage.

Murraywed, Amal

1. Forthcoming in Arabic *Basic Pottery and Ceramics*.
2. Still working on *Women in their Forties*, in Arabic.

Pinto, Karen

Articles:

1. "Capturing Imagination: The *Buja* and Medieval Islamic Mappamundi," article forthcoming in *Views from the Edge: Essays in Honor of Richard W. Bulliet*, (Columbia University Press & Middle East Institute, in press.)
2. "Islamic Cartography and Geography" in *Encyclopedia of Islam and the Muslim World*, Richard Martin, et. al., eds., (Macmillan Reference, in press).
3. "Passion and Conflict: Medieval Islamic Views of the West," (Article completed & submitted to *Representations*)
4. "Form and Function: Aspects of the Mediterranean" (Article solicited by the editor of *Medieval Encounters*, in process)
5. "Ways of Seeing.3: Scenarios of the World in the Medieval Islamic Cartographic Imagination" (Completed Doctoral Dissertation to be revised for publication, revisions in progress)

On-going Research & Projects

1. "Rome or Vienna: Which one was the 17th century "Kızıl Elma" (Red Apple) of Ottoman Territorial Ambitions? A possible resolution of the debate through a map at the Topkapı Saray Museum in Istanbul." (Preparing for submission to *Mercator's World*, research & writing in progress)
2. "Islamic Cartography Digitization Project" (on-going pilot project to digitize and annotate a CD-Rom sampler of some medieval Islamic maps from my private archive of images.) (Search for independent funding in process).

Saoudi, Mona

1. Initially working on setting up a website, covering the experience of 3 years of teaching sculpture at AUB, containing a rich collection of images of the studios, students at work, final Art Works, and the Sculpture Exhibition. The text and comments still need to be written and added, a theoretical research that explains methods of creative teaching in Art...etc. This website would be educational and cultural.
2. Initial preparation for an Art Book entitled "Mona Saudi – 40 years in sculpture". (Needs funds to complete and publish the book.)
3. Realized 25 new sculptures in colored marble entitled "Dialogue" and "Water" to be exhibited next fall in an art Gallery in Beirut.

Saumarez Smith, Richard

Articles in press

“Mapping landed property: A necessary technology of imperial rule?”, in Huricihan Islamoglu (ed.), *Constitutions of property in comparative perspective*, London: I.B. Tauris, for the European Science Foundation, October 2003.

Research in progress

1. “Land, society and state in Qada `Ajlun (north Jordan), 1870-1940”, in conjunction with Martha Mundy. This is a major long-term project begun before we came to AUB in October 1993. It involves analysis of all local documentation concerning four selected villages in north Jordan (Ottoman and Mandate land registers, census records, court records) for the period 1870-1940 from late Ottoman rule to the British Mandate, combined with interviews with older members of the villages. One joint article (2003b) has been published and several earlier articles by Martha Mundy. On sabbatical leave from A.U.B. during the Spring semester 2002 I analyzed land registry data for three of the selected villages and wrote three corresponding chapters for a joint monograph based on this work, entitled *Law, administration and production: property and land in four villages of southern Syria*. During summer 2003 we shall put the whole manuscript into publishable form. This will involve some rewriting of existing chapters, writing a concluding chapter, and my drawing a number of genealogies and maps.
2. “Technologies of imperial rule”. I have been looking at the development of pivotal techniques of government administration in nineteenth century British India (cartography, land registration and the census) posing questions for comparison with Ottoman rule during the same period and relating it to ways of imagining society and to the rise of sociology. One article is in press.

Shehadeh, Lamia

“Coverture in Lebanon”. Accepted for publication. *Feminist Review*, 2004.

Wisley, David

1. “Imagining the ‘Saint Voyage de Turquie’: Literature and Oriental History at the Court of Burgundy (1440-1467)” funded by the Belgian American Educational Foundation (11500 USD); research project on late medieval court literature about the Orient; archival work and writing.
2. “The French Translations of the 1001 Nights” funded by the Friends of the Princeton University Library Association (1500 USD), a study of the 18th century scholarly editions published in French of the 1001 Nights and orientalism of the period; study in its initial exploratory stage.
3. “La mise en prose bourguignonne de Geoffrey de Monmouth” (in press) *Etudes du moyen âge et de la Renaissance*, a study of a 15th Burgundian translation of the famous early English medieval historian Geoffrey of Monmouth.
4. “The Oriental Library of the court of Burgundy”, article being written now, research complete on a manuscript held in Paris (BNF fr 9087) from the library of Burgundy.

5. “Spiritual geography in la Mappemonde spirituelle of Jehan Germain”, article in initial stages concerning a 15th century texts catalog of Christian saints made at the command of Philip the Good, duke of Burgundy.

E. OTHER STAFF ACTIVITIES.

Abdunnur, Sharif

1. Accepted invitation to become an “Associate Member” at the American Academy for the Promotion of Genealogical and Heraldic Sciences.
<http://users.panola.com/AAGHS/index.html>
2. Accepted invitation to become an “Associate Member” at the International Academy of Medieval and Chivalric Research (IAMCR).
<http://www.geocities.com/chivalric2/ASCR/>
3. West Hall Stage Coordinator for the Spring 2003 Semester during which time 7 play productions, 6 concerts were performed and 12 presentations took place.
4. Faculty Advisor to the AUB Drama Club for the academic year 2002-2003.

Amyuni, Mona

Attended the MESA annual conference in Washington DC (Nov. 2002) and gave a paper entitled: “Writing or Life? Writing or Death? A comparative Study of Joyce?? and Elias Khoury”.

Arabi, Oussama

Member on Advisory Board of *The Journal of Islamic Law and Society*, published by Brill Academic Publishers, January 2002.

Bornedal, Peter

Conference Activity:

1. The paper, *The Pleasure of Resistance—On the Theory of Pleasure in Nietzsche*, was presented for the Nietzsche Society, at the SPEP conference. Loyola University, Chicago, USA. October, 2002.
2. The paper, *Three Objections to the Neo-Pragmatism of Stanley Fish*, was presented at the ACLA (American Comparative Literature Association) conference, Cal State San Marcos, San Diego, USA. April, 2003.
3. The paper, *A Silent World—On the Question of Reality in Nietzsche*, was presented at the ACLA (American Comparative Literature Association) conference, Cal State San Marcos, San Diego, USA. April, 2003.

Fakhry, Rima-Magdalen

Conferences, Seminars and Workshops attended:

1. Workshop on “Recent Trends in Assessment”, given by Prof. Micheline Shalhoub-Deville (University of Iowa), May 28-29, 2003, AUB.
2. Faculty seminar on “Teaching Excellence”, chaired by Provost P. Heath and Associate Provost W. Nasr, March 14-May 14, 2003, AUB.
3. APA (American Philosophical Association) Eastern Division Ninety-Ninth Annual Meeting, Philadelphia, Pennsylvania, December 27-30, 2002.
4. Conference on “Intentionality: Past and Present”, Miskolc, Hungary, June 21-24, 2002.

Other Activities:

1. Guest speaker in Dr. K. Shaaban’s “Translation” class, May 2003
2. Member on the “Task Team on Planning and Resource Allocation”, chaired by V/P Bernson
3. Assistant Social Coordinator, CVSP, 2001-2003, AUB.
4. Professional Copy-Editor and Proofreader of the 2001-2002 AUB Annual Report.

Hassan, Hani

Faculty advisor for the AUB Human Rights and Peace club.

Jarrar, Maher

Lectures:

1. “Images of Christ in the Modern Arabic Novel: the writer, the revolutionary & the immigrant,” a paper to be read in a Colloquium on “Martyrdom and/in Modernity” at the Wissenschafts StudienKolleg, Berlin, June 5-9, 2002.
2. Inauguration speech at the opening ceremony of The Anis K. Maqdisi Program in Literature, AUB, Tuesday, 22 October, 2002.
3. Moderator & lecturer: “Palestine in Modern Arabic Culture”, Panel 22.03.2003 DisOrientation. Haus der Kulturen der Welt, Berlin.
4. Organized the May Memorial Lecture of The Anis Makdisi Program in Literature and introduced the lecture & the lecturer Edwar Al-Kharrat, May 20, 2003.
5. “Erinnerungsraeume des libanesischen Buergerkrieges. Autoren, Akteure und Revolutionaere,” lecture at the Freie Universitaet Berlin, June 10, 2003.

Kurani, David

Present Service and Committee Work:

1. Senior Lecturer, CVSP Program.
2. Coordinator for Fine and Performing Arts, CVSP Program.
3. Member of AUB President’s Committee for the Foundation of an Arts Center at AUB.
4. Member of FAS Dean’s Committee for the Reestablishment of the Department of Fine Arts.

5. AUB representative on the Anglo-American Cemetery Committee.
6. Consultant work: end user for West Hall auditorium, stage, and support spaces.
7. Originated and taught a new course during the Spring semester: CVSP/Art 224 – Watercolor and Illustration.

Mallette, Karla

1. “Michele Amari, Sicilian,” conference paper presented at the Modern Language Association Annual Meeting.
2. “Mediterranean Studies: Identities and Tensions,” international conference at AUB organized by myself, Brian Catlos (University of California, Santa Cruz), and Mia Fuller (University of California, Berkeley).

Muraywed, Amal

Lectures:

1. History of Ceramics in Mesopotamia: Organization of the Lebanese Women Researchers, Beirut Lebanon. March 2003
2. Form and function in artistic ceramic: “The International Ceramic Forum”, Beirut. September 2002

TV Interviews:

1. LBC International TV.
2. New TV.
3. Syrian TV.
4. Tele Liban.

The Annual Students’ Ceramic Exhibitions 2002-2003:

- | | |
|----------------|---|
| June 2003: | The Annual Ceramic Exhibition; prepared and organized with students their annual ceramic exhibit at the end of academic year, including the work of Fall and Spring semesters at AUB. This includes also the work of graphic design concerning the invitation and poster. |
| May 2003: | The preparation of art work to be exhibited at the outdoors stand of Pottery and Ceramic 229 A and 229 advanced. |
| November 2002: | Exhibition of students’ work at the Conference of the Arab Organization for Administrative Planning, Unesco Palace, Beirut; arranged the participation of AUB students taking art courses and Pottery and Ceramics 229. |

Pinto, Karen

Talks:

1. “Form and Function: The Mediterranean in the Medieval Islamic Cartographic Imagination,” Mediterranean Studies: Identities and Tensions, AUB, Beirut (June 2003)

2. "Conflict and Passion: *The West* in the Islamic Imagination," invited talk, Univ. of Ottawa, Ottawa, Canada (Jan. 2003)
3. "Islamic Mapping" invited talk, Dalhousie University, Halifax, Canada (Jan. 2003)
4. "Capturing Imagination: The Buja & Middle Eastern Maps," Science and Humanities Circle, University of Alberta, Edmonton, Canada (Nov. 2002)
5. "Views from the Edge," Festschrift presentation for Richard W. Bulliet, MESA Conference, Washington, D.C. (Nov. 2002)

On-Campus:

Initiation of WEB-CT Online Discussion Sites for CVSP 202 and 204

Saoudi, Mona

1. Invited by the Bahrain Museum as a member in the Jury, for the Annual exhibition of Artists in Bahrain (Dec 2002).
2. Invited for the International Sculpture symposium in Rabat – Morocco (May 2003). I asked the organizers to postpone this participation till next year.
3. Invited to participate in the International Sculpture Symposium in Rio de Janeiro-Brazil, the event is taking place in July 2003.
4. Invited as an Honor Guest Artist to participate in the "International Cairo Art Beinal", where I am preparing marble sculptures on the subject of "Rivers". (Need funds to accomplish).

Saumarez Smith, Richard

1. Acting Chair, SBS Department, Spring semester 2003.
2. Member, Accreditation Task Team 12 on General Education, 2002-03.
3. Freshman advising and registration for the Arts. 2001-02, continuing from 1998.
4. Research Committee, Faculty of Arts & Sciences, from October 2001.

Shebay'a, Peter

1. Director, CVSP.
2. Member of Accreditation self-study task team 12 (General Education) and chair of sub-committee on 'History and Current Practice'.
3. Member on 'West Hall Re-inauguration committee'.
4. Member of recruitment committee for the Whittlesey Chair visiting professor appointment.

Shehadeh, Lamia

1. Co-organized a one-day seminar on Asad Rustum at the Balamand University, May 16, 2003.
2. Introductory speaker of the seminar on Asad Rustum.
3. Presented a paper on the life and works of Asad Rustum.
4. Associate editor, *Berytus*.

Wrisley, David

International conferences:

1. "La Littérature à la cour de Bourgogne: perspectives et bilan de recherches" Université catholique de Louvain (Belgium), May 2003
2. "Le Roman de la Rose: réception et tradition" Universiteit Antwerpen, April 2003
3. Fellow in the Department of Medieval History at Universiteit Gent, Feb-Sept 2003

F. PUBLICATIONS

Abdunnur, Sharif

Play:

Abdunnur, Sharif (author) and Jawad Al Assadi (poetry) "Starter of Wars" published in both Arabic and English. Published electronically by the *The Lysistrata Project*. March 3, 2003.

Artwork:

1. Designed poster for the CVSP art courses "Afternoon Art Exhibition" (June 2003)
2. Designed and executed the brochure, program, and poster for four play productions: "Starter of Wars", "Mouth Music", "Godot", and "Maseer Sarsour" (*Fate of a Cockroach*) (March – May, 2003).

Theater Production:

1. Technical Director and Lighting Designer for the "Opening of West Hall Show". (Feb. 2003)
2. Author, Director, Producer and Designer for the "Starter of Wars", an original play production, part of the International Lysistrata Project (as protest against the advent of war) (March 2003).
3. Producer and Designer for the "Mouth Music Spring Concert" a theatrical, A Cappella concert (March 2003).
4. Coauthor, Producer and Designer for "Godot" a one act black comedy (April 2003).
5. Stage Manager, Lighting and Sound Design for "Maseer Sarsour" (May 2003).

Arabi, Oussama

1. "Early Muslim Legal Philosophy: Identity and Difference in Islamic Jurisprudence" appearing April 2003, as a UCLA web-publication, at the eScholarship Repository, University of California, <http://repositories.cdlib.org/international/cnes/1>
2. "Beyond Power: Neo-Shafi`ism or the Islamic Constructive Metaphor in Egypt's High Constitutional Court Policy". *Arab Law Quarterly*, London 2002.

Hassan, Hani

Theater:

1. Assistant Director and actor in the Spring major theater production of Georges Feydau's *Hotel Paradiso* (May 2003).
2. Coauthor, director and actor in *Godot*, a one act black comedy (April 2003)

Jarrar, Maher

1. "Some Aspects of Imami Influence on Early Zaydite Theology," Islamstudien Ohne Ende. Festschrift für Werner Ende zum 65. Geburtstag, eds. Rainer Brunner, Monika Gronke, Jens Peter Laut and Ulrich Rebstock. Deutsche MorgenIndische Gesellschaft, Würzburg: Ergon Verlag, 2002, 201-223.
2. "Displaced Palestinians, Religious Confrontation, and the 'Re-Production' of Space in Three Contemporary Novels," Religion Between Violence and Reconciliation, ed. Thomas Scheffler, Beirut Texts and Studies, vol. 76. Stuttgart: Franz Steiner Verlag, 2002, 217-27.
3. Maher Jarrar & Sebastian Günther, "Gulam Halil und das Kitab Sharh as-sunna. Erste Ergebnisse einer Studie zum Konservatismus Hanbalitischer Förbungim 3./9. Jahrhundert," ZDMG, 153:i (2003), 1-26.

Kurani, David

Theater:

- Feb. 2003: Directed, designed and choreographed stage show for West Hall opening coordinating the efforts of fifty-three students and three staff members and one outside professional (costume designer).
- May/June 2003: Major Play Production, *Hotel Paradiso*, by G. Feydeau and M. Desvalliers. Designed and executed the sets and produced the play coordinating the efforts of about thirty-six students, four outside professionals and six staff members.

Art Work:

- Oct. 2002: Completed two commissioned portraits in oils of AUB's first two presidents: Daniel Bliss and Howard Sweetser Bliss. The latter portrait hangs in the senate room of Marquand House. The picture of Daniel Bliss is yet to be hung, and is expected to be mounted in the Reserve Reading Room in Jafet Library.
- 2002-2003: Publications of illustrations (over forty in all) in level four Arabic reader textbook, "Oqoud Al- Kalaam" produced by Dar Al Mashrek publishers; authors: Kamal Chartouni and Elias Haddad.
- June 2003: Organized "*Afternoon Art Exhibit*" an end-of-term showing of the artwork of the students of seven CVSP/Art classes.

Artwork featured in the following collective exhibits

- July 2002 Deir el Kamar Artist's Day Show. Organized by the Deir el Kamar Festival Cultural Committee.
- Nov. 2002 Current Academic Artists Show mounted in UNESCO Palace foyer during the Conference of the Arab Organization for Administrative Planning. Selections from national and international art schools and universities; organized by World of Art Gallery, Ramlet el Baida.
- Nov. – Dec. 2002 AUB Alumni Association Mount Lebanon Branch. Collective Art Show featuring Lebanese and international artists, La Collina Club, RabiyeH.

Muraywed, Amal

Articles about Ceramics published in the daily newspaper Anahar

1. Art versus function in ceramics
2. The goal of the Annual Students Ceramic Exhibitions

International and Annual Exhibitions:

- September 2003: The Second International Ceramic Symposium, Beirut, Lebanon (organization and participation).
- August 2003: Participation at the International Art saloon in Lattakia, Syria.
- July 2003: The first International Mosaic Forum in Lebanon (organization and participation).
- October 2002: The Annual Exhibition of the Syrian Artists, at the National Museum, Damascus, Syria.
- May-June 2002: The International Ceramic Saloon, Museum of Modern Art, Cairo, Egypt.
- May 2002: The Spring Art Saloon, Directorate of Arts, Damascus, Syria.

Pinto, Karen

1. "Surat Bahr al-Rum [Picture of the Sea of Byzantium]: Possible Meanings Underlying the Forms Used to Depict the Mediterranean in Muslim Maps," in *The Cartography of the Mediterranean World, Proceedings of the 18th International Conference on the History of Cartography (Athens, 11-16 July 1999)*, (National Hellenic Research Foundation, Athens, 2003).

Saoudi, Mona

Art Exhibitions:

1. One Artist Retrospective Exhibition/ "Sculptures and drawings" – Amman – Artspace – September 2002
2. Arab Artists Exhibition "Shoman Art foundation" Darat Al Foonon – Amman – May 2003.
3. The Third Annual AUB Sculpture Exhibition is becoming a yearly cultural creative event in Beirut, since sculpture exhibitions are extremely rare. The Exhibition was covered by the LBCI and the New TV channels. The exhibition, which took place from May 28 until June 10, was inaugurated by the AUB President John Waterbury.

Saumarez Smith, Richard

Published articles

1. Saumarez Smith, Richard, 2002, "Rule-by-records and rule-by reports: complementary aspects of the British imperial rule of law", in Martha Mundy (ed.), *Law and Anthropology*, Aldershot, UK: Ashgate Press, Chapter 25, pp. 635-658. This is a reprint with minor corrections of an article first published in 1985.

2. Saumarez Smith, Richard, 2003, "The historiography of Indian society", in Veena Das (ed.), *The Oxford India Companion to Sociology and Social Anthropology*, Vol. 1, Delhi: Oxford University Press, pp. 99-113.
3. Mundy, Martha and Saumarez Smith, Richard, 2003, "*Al-mahr zaytuna*: property and family in the hills facing Palestine (1880-1940)", in Beshara Doumani (ed.), *Family history in the Middle East: Household, property and gender*, New York: State University of New York Press, pp. 119-150.

Shebay'a, Peter

Directed first major theatrical production on the renovated West Hall stage, *Hotel Paradiso*, May 28 through June 1, 2003.

Shehadeh, Lamia

1. "The Changing Status of Women in Middle Eastern Societies", *The Near east School of Theology: Theological Review* XXII (2), 2001.
2. *The Idea of Women under Fundamentalist Islam*. Gainesville, FL.: University Press of Florida, 2003.

G. FUTURE DEVELOPMENT

Development this year was severely hampered by the unexpected departure of two key figures (Hoffmann and Baghdadi), the absence on leave of Profs. Jarrar and M. A. Khalidi, and the turbulence around the war in Iraq (several faculty members departed abruptly in mid-semester). It is expected that in the coming year with the return of Profs. Jarrar and Khalidi, the continued input of newcomers Profs. Wrisley and Pinto (each of whom taught for one semester this past year), and the arrival of new recruits (Prof. S. Sheehi and possible others...) we will be able to continue to fine tune our recently restructured program and pursue new offerings in our multi-disciplinary context.

We are in the process of increasing the use of Web-CT technology to enhance student participation and education in our courses.

We have begun to seek new sources of funding for Music and Theater events in cooperation with the Development Office. In particular we hope to find funding for equipping the open-air facilities at the Green Oval (permanent sound and lighting technology, in particular) so that a variety of events (theater, opera...) will be made possible. An open-air production of *The Epic of Gilgamesh* is anticipated for the coming Spring.

Finally, we will continue to pursue old and new avenues for providing a broad range of intellectual and cultural activities for AUB and Lebanese publics at large.

P. Shebay'a
Director

DEPARTMENT OF ECONOMICS

A. SUMMARY OF PROGRAMS and ACTIVITIES

For the year 2002/2003, the number of students enrolled in economics courses totaled 2763 and students majoring in economics totaled 242. Credit hours offered per week were 276 hours. The number of graduating majors stood at 24 in the first semester and 69 in the second semester for a total of 93.

A notable development in the past two academic years is the substantial and rapid increase in graduate enrollment following the introduction of the Master of Arts in Financial Economics (MAFE) effective October 2001 as a restructured Master in Money and Banking. From a relatively small number of graduate students in June 2001, their number in June 2003 (primarily in financial economics) stood at 50 and is expected to further rise to about 65 the coming academic year after allowing for the graduating class. Furthermore, a number of curricular revisions have been made in the undergraduate program whereby new courses have been introduced and others either modified or deleted. Also, a minor in Economics has been introduced effective October 2003.

As demonstrated in the sections on research and publications, a good number of the economics faculty have been very active in research. For this academic year, several papers authored (or co-authored) by faculty members have appeared in refereed journals and several others have either been accepted or submitted, in addition to one book that will appear in 2004 and other book length manuscripts that are under preparation. Faculty members have been engaged in several ongoing research projects, supported by University and outside funds, and several faculty members have participated in various international conferences, seminars and meetings. At the same time, the economics faculty generally continues to shoulder heavy teaching loads in terms of number of students per class with concomitant student advising duties.

Three new faculty members will be joining the Department in October 2003: two assistant professors and one professor; on the other hand one faculty member resigned effective the second semester of this year to go abroad. With the newly recruited faculty Departmental strength for the coming year will stand at 12 full time faculty members and a few part time faculty. Lynda Jaber Khalaf of the University of Laval (Canada) joined the Department as a visiting associate professor during the first semester.

Jointly with the Institute of Financial Economics, the Department sponsored a series of public lectures by outside noted scholars and experts.

B. PERSONNEL

1. Faculty Members

Makdisi, Samir
Sirhan, Ghazi

Ph.D., Professor (Chair)
Ph.D., Associate Professor

Khalaf-Jaber, Linda	Ph.D., V.Associate Professor ⁴
Aintablian, Sebouh	Ph.D., Assistant Professor
Alami, Tarik	Ph.D., Assistant Professor
Fares, Jean	Ph.D., Assistant Professor ⁵
Kabbani, Nader	Ph.D., Assistant Professor
Neaime, Simon	Ph.D., Assistant Professor
Sadaka, Richard	Ph.D., Assistant Professor
Ramadan, Usamah	Ph.D., Lecturer
El-Saghir, Sandra	M.A., Instructor
Yazbeck, Myra	M.A., Instructor
Dabbagh, Salah	Ph.D., Lecturer (P.T.)
El-Khalil, Youssef	Ph.D., Lecturer (P.T.)
Fattah, Zeki	Ph.D., Lecturer (P.T.)
Osseiran, Fadi	Ph.D., Lecturer (P.T.)
Assi, Lama	M.B.A., Instructor (P.T.)
Atallah, Sami	M.A., Instructor (P.T.)
Kanaan, Maya	M.A., Instructor (P.T.)
Rizk, Rola	M.A., Instructor (P.T.)
Turk-Ariss, Rima	M.A., Instructor (P.T.)
Zayyat-Saadeh, Myriam	M.A., Instructor (P.T.)

2. Graduate Assistants

Awada, Hala	B.S.
Bou Diab, Sarah	B.B.A.
Chaiban, Carine	B.B.A.
Eid, Soha	B.B.A.
El-Yaman, Souraya	B.A.
Hamdan, Sarah	B.B.A.
Kadi, Rima	B.A.
Khaddage, Amer	B.S.
Mahmoud, Fadi	B.S.
Mesherkani, Rami	B.S.
Mezher, Rabih	B.B.A.
Maraachlian, Hilda	B.S.
Mordaa, Rola	B.B.A.
Nakhle, Najla	B.A.
Nassif, Chantal	B.B.A.
Rifaat, Ghenwa	B.B.A.
Rishani, Rami	B.B.A.
Shamseddine, Bassel	B.B.A.
Siblini, Farah	B.A.
Tabsh, Hala	B.B.A.
Zantout, Nadine	B.A.

⁴ First semester only

⁵ First semester only

3. Non -Academic Staff

Attie, Silvie

Secretary

C. TEACHING

1. Number of Graduating Majors:

B.A	Oct. 2002	5
	Feb. 2003	19
	June 2003	52
M.A	Oct. 2002	0
	Feb. 2003	0
	June 2003	1 (MA in Economics.) 14 (MA in Financial Economics.)

2. Number of Majors

Graduates--Economics	1
Graduates--Financial Economics	49
Prospective Graduates (Financial Economics)	3
Prospective Graduates (Economics)	1
Seniors	72
Juniors	54
Sophomores	61
Intensive English	1

3. Student Enrollment in Courses:

	Summer 2002	1st sem.	2nd sem.	Total
Courses numbered 300 and above	29	142	143	314
Courses numbered 211 through 299	173	1008	1081	2262
Courses numbered 200 through 210	17	0	0	17
Courses numbered below 200	0	78	92	170
	219	1228	1316	2763

4. Number of Credit Hours Offered

	Summer 2002	1st Sem.	2nd Sem.	Total
Courses numbered 300 and above	6	30	21	57
Courses numbered 211 through 299	15	93	96	204
Courses numbered 200 through 210	3	0	0	3
Courses numbered below 200	0	6	6	12
	24	129	123	276

D. RESEARCH

Aintablian, Sebouh

Completed Research

1. “Market Response to the Announcements of Mergers and Acquisitions of Canadian Financial Institutions”, co-authored with G.S. Roberts (York University, Canada), under review by the *Multinational Finance Journal*.
2. “An Empirical Examination of the Relationship Between Lender Environmental Liability and Bank Loan Announcements” co-authored with Gordon S. Roberts and Patricia McGraw, under review by the *American Economic Review*.

On Going Research

1. “Is there still a place for family banks: a perspective on corporate governance in the context of family banks in France” co-authored with Vasumathi Vijayraghavan, University of Paris-Dauphine. Recent literature has looked at the effects of family firms on corporate performance. The weight of family firms is especially significant in Western Europe as a whole, and France in particular. In this paper, we take advantage of certain unique aspects of the French banking universe: the existence of at least two or three family banks, as well as the existence of both one-tiered (traditional Board) and two-tiered (Conseil de Surveillance and Directoire) systems. We do a comparative analysis of these different features of corporate governance in banking and find that while family firms significantly positively outperform non-family firms, two-tiered banks do not significantly outperform one-tiered.

Alami, Tarek

Completed Research

1. “Capital Flight From The Arab World: Estimates and Econometric Analysis” –Submitted to: *Open Economies Review*
2. (With Ghazi Sirhan and Maya Kanaan) “Intellectual Property Rights in Lebanon: Potential Costs and Benefits” – submitted to: *Journal of Applied Economics*.
3. “Dollarization vs. Currency Substitution in Developing Countries: A Portfolio Balance Model” submitted to: Economic Research Forum for the Arab Countries, Iran and Turkey.

On-Going Research

1. Does Debt Slowdown Economic Growth? Testing for Causality Between Indebtedness and Growth in Selected Arab Countries
2. The Choice of Monetary and Exchange Rate Policy for Developing Countries in the Presence of Foreign Money (a book length study under preparation)

Kabbani, Nader

Completed Research

1. “Short Recertification Periods in the U.S. Food Stamp Program” (with Parke Wilde)
The U.S. Federal government requires States to recertify most participants in the Food Stamp Program at least once a year. In recent years, many States have dramatically increased their use of short (1-3 month) recertification periods in an effort to lower their program error rates. We investigate the effects of this trend on both program participation rates and error rates.
Paper submitted for Publication to the *Journal of Human Resources* in August 2002. Conditional acceptance received in March 2003. A second paper, focusing on the causes of this trend, is currently being prepared for publication sometime in 2004.
2. Grade Retention, Social Promotion, and ‘Third Way’ Alternatives (with Karl Alexander and Doris Entwisle)
Using evidence from the Beginning School Study, this paper examines the choice between retaining a failing student in grade or promoting them to the next grade level, in hopes that they will catch up to their peers on their own or through various school interventions.
Paper forthcoming in *Early Childhood Learning: Programs for a New Age*.

Ongoing Research

1. “The Role of Food Assistance Programs and Employment in Helping Food Insecure Families Avoid Hunger”(with Mira Yazbeck).
This project examines the role that food assistance programs and employment dynamics play in alleviating hunger among food insecure households with children in the U.S. It is funded through the IRP-USDA Small Grants Program, administered through the Institute for Research on Poverty at the University of Wisconsin, Madison. Preliminary paper presented at a workshop at IRP in April 2003. A working paper is expected at the end of the grant period (December 2003).
2. “The Effect of Public Sector Training Programs on Non-participant Workers”.
This project studies the effect of the Job Training Partnership Act (JTPA) on employment in the low-skill labor market. Estimates of the program effect are obtained by analyzing the relationship between program size and employment in JTPA service delivery areas. Preliminary research funding is provided through a 2002-2003 URB grant.
3. “The Returns to Education in Canada and the United States”
The U.S. has been experiencing dramatic increases in the wage premiums for education and experience. We examine causes of this trend using both U.S. administrative data and data from Canada, where the university-high school wage gap has remained relatively stable. Preliminary research funding is provided through a 2002-2003 URB grant.
4. Biodiversity and Bioprospecting in Developing Countries (with Mireille Akl)
Empirical evidence suggests that the market potential offered through bioprospecting alone will be enough to promote biodiversity in developing countries. Countries must tap both the private sector and the international community in order to preserve local biodiversity.
Working paper is due out in early June 2003.

Makdisi, Samir

Completed Research

(With Richard Sadaka), “ The Economics of the Lebanese Civil War”, paper revised and submitted for inclusion in a forthcoming volume on “ The Economics’ and Politics of Civil War’, edited by P.Collier (Oxford) and N. Sambanis (Yale).

On-Going Research

- 1.(With I. Elbadawi). “ Democracy, Peace ad Development in the Arab World”, The object of this research paper intended for an edited volume is to compare standards of democracy in the Arab countries with reference to specified criteria for this purpose, discuss the economic, social and cultural factors that influence the development of democracy , analyse the impact of democracy on economic development and finally assess the interaction between democracy, social fraternalization, conflict and development. Selected case studies will be examined.
2. (With I. Elbadawi) *Civil Conflict, Economic Development, and Globalization with Reference to Selected Arab countries*. This is a book long research project that will attempt to analyze the causes of civil war and identify the policies that will prevent their emergence ion the era of globalization thereby setting the stage for sustained economic and financial development in the Arab region. Supported by external funding.

Neaime, Simon

On-Going Research

1. “The Canadian-US Exchange Rate and The Prospects of An Optimum Currency Area”.
The recent sharp depreciation of the Canadian dollar and the successful monetary unification in the European Union (EU), through the introduction of the euro currency, have renewed the interest in an alternative exchange rate regime for Canada. After a close assessment of the conduct of monetary policy in Canada, the paper will closely highlight the recent exchange rate dynamics of the Canadian-US exchange rate to identify the causes of its recent weakness. It will also examine the prospects of an optimal currency area among the two North American Free Trade Agreement (NAFTA) members.
2. “Prospects of a Monetary Union Between the EU and GAFTA: An Empirical Investigation”.
This research paper examines the issue of a regional currency union among the Greater Arab Free Trade Agreements (GAFTA) Members and the European Union (EU) countries. Drawing from the theory of optimum currency areas (OCAs), and the convergence criteria for European monetary unification, we collect and analyze macroeconomic data for 14 Arab countries in order to assess the conditions for both the existence of an OCA and/or a successful monetary union within GAFTA on one hand, and between GAFTA and the EU on the other.
- 3.”MENA Stock Markets: A Dynamic GARCH Approach”.
This paper examines the interrelationship among the stock markets of the Middle East and North Africa (MENA) region as well as the relationship between each MENA stock market and the larger and more developed markets of Europe and the US. It will add to the existing literature by focusing on the dynamic relationship in the volatilities of the returns in the MENA stock markets. The econometric part of the paper will use the causality in variances Threshold Autoregressive Conditional Heteroskedasticity (ARCH) model, a multivariate

GARCH model, and VAR analysis to model conditional volatilities in stock market returns and the dynamic responses of volatilities to innovations in conditional variances.

4. "Macroeconomic Fluctuations in the MENA Region".

This research paper employs a vector autoregression (VAR) model to analyze the macroeconomic fluctuations in the Middle East and North Africa (MENA) region. This approach is very useful in measuring the importance and impacts of external macroeconomic shocks on a given economy, for our purpose, the economies of the MENA region. The econometric section of the study will carefully measure the adjustment of the MENA economies, specifically, the adjustment of per capita GDP growth rates, exports, imports and fiscal imbalances following standard external economic shocks: namely, shocks in world interest rates, fluctuations in the value of the US dollar, the terms of trade, the price of oil, and the world output and inflation rates.

Sadaka, Richard

Completed Research

(With Samir Makdisi), " The Economics of the Lebanese Civil War", paper revised and submitted for inclusion in a forthcoming volume on " The Economics' and Politics of Civil War", edited by P.Collier (Oxford) and N. Sambanis (Yale).

Sirhan , Ghazi

Completed Research

(With T. Alami and M. Kanaan), "Intellectual Property Projects in Lebanon: Potential Costs and Benefits" submitted to *Journal of Applied Economics*.

On Going Research

1. Macro-economic policies in selected Middle Eastern economies": This study involves an evaluation of the recent economic performance of selected Middle Eastern economies and analyses of the macroeconomic policies pursued with special emphasis on stabilization policies, debt, and financing of development programs. A manuscript is under preparation.
2. Revising my lecture notes in intermediate microeconomics for future publication as a text for undergraduate students.

E. OTHER STAFF ACTIVITIES

Aintablian, Sebouh

Conferences, Seminars, and Meetings

1. Presented a paper entitled "An Empirical Examination of the Relationship Between Lender Environmental Liability and Bank Loan Announcements" co-authored with Gordon S. Roberts and Patricia McGraw during the *Northern Finance Association Annual Meetings* in Banff , Alberta ,Canada ,September 2002 .

Other

1. Member of the Arts and Sciences Curriculum Committee
2. Faculty advisor, the Lebanese-Armenian Heritage Club of A.U.B. since Spring 2001.
3. Served as Assistant Marshall, Commencement exercises, July 2002
4. Member, A.U.B. Choral Society, since Fall 2000.

Alami, Tarek

Conferences, Seminars and Meetings

Participated in a conference on the “Economics and Finance of the Middle East and North Africa”, at the Lebanese-American University, Beirut, May 2003.

Other

1. Member of the Faculty of Arts and Sciences Administrative Committee
2. Senior Students Advisor, Economics Department, Since Fall 2000

Kabbani, Nader

Conferences, Seminars and Meetings

1. (Paper with Mira Yazbeck) “The Role of the Food Stamp Program in Helping Food Insecure Families Avoid Hunger”. Presented at the Institute for Research on Poverty – U.S. Department of Agriculture Small Grants Workshop at the University of Wisconsin, Madison, April 25, 2003.
2. “The Economics of Bioprospecting: A Review of the Literature and Implications for Developing Countries”. Paper presented at a meeting of the members of the Initiative for Biodiversity Studies in Arid Regions (IBSAR), American University of Beirut, March 20, 2003.

Other

1. Member of the Initiative for Biodiversity Studies in Arid Regions (IBSAR) at AUB.
2. Chairman of the Group Identity Committee (April – July, 2002).
3. Freshman Advisor.
4. Library Liaison for the Economics Department.
5. Assisted in developing a website for the department.

Makdisi, Samir

Conferences, Seminars and Meetings

1. Participated in a “ High Level Meeting on Economic Tools for Environmental Sustainability” organised the Economic and Social Commission for Western Asia, Beirut, June 25-26, 2002-05--paper presented.

2. Participated in a conference on “ the Lebanese tax system: Economic and Social Dimensions”, organized by the Progressive Socialist Party, Beirut, May 21, 2003.
3. Participated the annual conference of the Economic Research Forum for the Arab Countries, Iran and Turkey, Sharja, UAE, October 26-28, 2002.
4. Participated in the annual conference of the Global Development Network on “Understanding Reform”, Cairo, January 21-23, 2003.
5. Participated in workshop on “ the Future of Lebanese Statistics in the Era of Globalization”, organized by the Lebanese Center for Policy Studies, Beirut, October 31, 2002--paper presented.
6. Participated in a conference on “ Syrian-Lebanese Banking Cooperation”, organized by the Union of Arab Bank, Damascus, Jan. 25, 2003--paper presented.
7. Participated in a conference on “ Peace, Institutions and Nation Building in the Mediterranean and the Middle East”, organized by the Istituto Affari Internazionali, Rome, July 4-5, 2003--discussant of two papers.

Other¹

1. In my capacity as member of the Governing Board of the Global Development Network, I attended a meeting of the Board in Washington DC, May 25-26, 2003.
2. In my capacity as member of the Steering Committee of FEMISE, I attended a conference of the Committee in Marseilles, March 16, 2003-06-16.
3. In my capacity as member of the Advisory Board of the National Committee for Combating Unemployment (Damascus), over the course of the year I attended a number of meetings of the Board.
4. On the occasion of the annual meeting of the American Economic Association, I visited Washington DC (along with the Dean of FAS), to interview economics candidates who applied for faculty positions, Jan 2-5, 2003.
5. Organized a series of public lectures by distinguished speakers from abroad.
6. Member of the FAS Advisory Committee
7. Advisor to graduate and senior economics students.

Neaime, Simon

Conferences, Seminars and Meetings

1. Invited to present a paper titled: Financial Linkages and Integration of Middle East Stock Markets, at the Fifth International Conference on THE ECONOMICS AND FINANCE OF THE MIDDLE EAST AND NORTH AFRICA, May 29-30, 2003. A conference organized by the School of Business at the Lebanese American University, Byblos, Lebanon.
2. Debate on WTO Before Cancun: The Lebanese Perspective. Paper presented at the WTO Expert Group Meeting, Cairo-Egypt. May 24-25, 2003.
3. Financial Liberalization and Domestic Savings in MENA Countries: A Comparative Analysis. Paper presented by co-author (M. Kabir Hassan) at the Allied Social Science Association, and the Middle East Economic Association Meetings. January 3-5, 2003. Washington D.C. US. [?]

¹ Excludes invitations to speak at various functions in Lebanon.

4. Liberalization and Financial Integration of MENA Stock Markets. Paper presented at the *Economic Research Forum Ninth Annual Conference*, Al-Sharjah, UAE, October 26-28, 2002.
5. Invited to attend a 3 day Seminar for the launching of the FEMISE2 research project. Debt Sustainability in Selected MENA Countries. April 10-12, 2003, Nice-France.

Other

1. Member of the University Senate Board of Graduate Studies, since fall 2000.
2. Member of the Interfaculty Financial Aid Committee, since spring 2001.
3. Freshman Student Advisor, Faculty of Arts and Sciences, since Fall 2000.

Ramadan, Ussamah

1. Academic advisor to sophomore students

Sadaka, Richard

1. Academic advisor to sophomore students
2. Member of Arts and Sciences Admissions Committee.

Sirhan, Ghazi

1. Academic Advisor Junior and Transfer Students.
2. Served as member of Thesis Committees for M.A. candidates

Public Lectures by Outside Scholars and Experts Sponsored By the Department

In conjunction with the Institute of Financial Economics, the following scholars and experts were invited to give public lectures:

1. Professor Hadi Esfahani, University of Illinois, on “ A Re-examination of he Political Economy of Growth in the MENA Countries”, October 20, 2002.
2. Dr. Nadeem Shujaat, Citibank, on “Hedging of Interest Rate and Foreign Exchange Risk”, November 11, 2002
3. Dr. Douglas Smee , Citibank, on “Emerging Markets’ Risks” November 14, 2002
4. Professor Richard Cooper, Harvard University, on “Prospects for the International Economy”, January 14, 2003
5. Professor Bina Agarwal, Delhi University, on:”Gender Inequalities: Neglected Dimensions and Hidden Facets”, January 23, 2003
6. Ms. Mervat Tellawi, executive secretary of ESCWA on “ ESCWA”s Role in Economic and Social Development: A Future Outlook”. March 12, 2003.

Minor in Economics

With the approval of the FAS Curriculum Committee, the Department introduced a minor in Economics comprising three required and three elective courses for a total of six, as follows:

Required Courses: Economics 211, 212 and 214

Elective Courses: three of the courses offered by the Department provided the pre-requisites of the chosen electives have been satisfied.

F. PUBLICATIONS

Aintablian, Sebouh

1. “Does Issuing stock index linked debt create shareholder value? Evidence from the Paris Bourse” co-authored with Vasumathi Vijayraghavan and Gordon S. Roberts, *European Financial Management*, September 2002.
2. PowerPoint Slide Presentation co-authored with Gady Jacoby, to accompany *Corporate Finance*, 3rd Canadian Edition by Ross, Westerfield, Jordan, and Roberts, McGraw-Hill Ryerson Ltd., 2002.

Kabbani, Nader

1. (With Karl Alexander, Doris Entwisle, and Susan Dauber), “Dropout in Relation to Grade Retention” in *On the Success of Failure: A Reassessment of the Effects of Retention in the Primary School Grades, Second Edition*, by Karl Alexander, Doris Entwisle, and Susan Dauber. New York, NY: Cambridge University Press, 2003.
2. (With Parke Wilde), “Short Recertification Periods in the U.S. Food Stamp Program: Causes and Consequences,” in *Focus*, published by the Institute for Research on Poverty at the University of Wisconsin – Madison, Vol. 22(2), Summer 2002.

Makdisi, Samir

1. Book: *The Lessons of Lebanon: The Economics of War and Development* (London, IBTauris, 2004).
2. “Statistic and Development” in *The Future of Lebanese Statistics in the Era of Globalization*, edited volume of the Lebanese Center for Policy Studies, (2003).

Neaime, Simon

1. (With S. Hakim*). “Mean-Reversion Across MENA Stock Markets: Implications for Derivative Pricing. *International Journal of Business*, Elsevier Science Press. Paper accepted for publication, January 2003.
2. (With L. Michelis*). “Income Convergence in the Asia-Pacific Region”, *Journal of Economic Integration*. Paper nominated for a prize for best paper of the year. Paper in Press, accepted December 2002.
3. “Liberalization and Financial Integration of MENA Stock Markets, in Regional Trade, Finance and Labor Markets” *Proceedings of The Economic Research Forum (ERF) Ninth Annual Conference, Al Sharjah, UAE October 26-28, 2002*. In press and forthcoming in 2003.

4. (With A. Mansoorian*), “Durable Goods, Habits, Time Preference, and Exchange Rates”, *North American Journal of Economics and Finance*, Elsevier Science Press. Vol. 14, No.1, pp. 115-130, February 2003. Funded by URB
5. (With N. Colton*) “Implications of the Introduction of the Euro for the Mediterranean Countries” *Thunderbird International Business Review*, Wiley Publisher, Vol. 45, No.1, pp. 31-49. January/February 2003
6. “The Euro and the Future EU-Arab Countries Trade Relations” *Arab Economic Journal*, Vol. 11, No.29, pp. 27-49, Autumn 2002.
7. “Habits and Durability in Consumption and the Effects of Exchange Rate Policies” *International Economic Journal*, Vol. 16, No.2, pp. 97-114, September 2002. Funded by URB.

G. FUTURE DEVELOPMENT

Building on recent progress, the Department’s goal of further academic development would require action in at least three areas: space, equipment and salary levels.

Space

The Department’s need for more space (see last year’s annual report) will be met once the plan for additional space in Dodge Hall, in accordance with the university master plan, is implemented.

Equipment

In the past two years the year the Department acquired a number of additional equipment (e.g. multi-media projector, color printer, overhead projector, conference table). But further upgrading and expansion in its equipment infra structure will be necessary in the coming few years. Given the large number of economics majors, whose use of computers is extensive, a computer lab (initially comprising 30-40 computers) that can be used by economics students ought to be established. In the meantime and until such time when departmental space for this purpose becomes available, we have come to an understanding with the Computer Science Department whereby economics majors may use its computer lab in accordance with an agreed time schedule.

Salary Levels

The discipline of economics is highly competitive. Along with adequate research facilities and funding and a conducive environment, sufficiently attractive salaries will help attract and retain high caliber faculty and therefore build the Department to the high levels to which we all aspire. While some moves in this direction have already been made, a reconsideration of the existing salary scale should be undertaken with the above in mind.

S. Makdisi
Chair

DEPARTMENT OF EDUCATION

A. SUMMARY OF PROGRAMS

1. The numbers of majors averaged across the two semesters were as follows: BA (105), Teaching Diploma (42), and MA (55).
2. Total enrolment in Education courses for the two semesters was 1213 for undergraduate courses and 137 for graduate courses.
3. The Department introduced two undergraduate seminars (Educ. 291 & 292) in compliance with the new curriculum. The development and the teaching of the two seminars were the collective efforts of almost all faculty members in the Department.
4. The Curriculum and Examination Committee of the Department devised a plan to assess the BA program. Surveys were conducted to faculty, students, alumni cooperating teachers and school principals, and employers.
5. A committee was set up to review the existing proposal for a teaching diploma in early childhood education.
6. Faculty members contributed heavily to the Faculty and University committees and in particular to the self-study accreditation teams.
7. The Department organized two regular sessions of workshops in September and March. It also organized two specially tailored workshops to the Baccalaureate School teachers located in Amman (through REP) and another to La Sagesse School teachers.

B. PERSONNEL

1. Faculty Members

Academic

Regular

Tamer Amin	Ph.D.	Assistant Professor
Munir Bashshur	Ph.D.	Professor
Amal Bou-Zeineddine	Ph.D.	Assistant Professor
Saouma BouJaoude	Ph.D.	Professor
Ghazi Ghaith	Ph.D.	Associate Professor
Marj Henningsen	Ph.D.	Assistant Professor
Karma El-Hassan	Ph.D.	Associate Professor
Miles Lovelace	Ph.D.	Visiting Professor
Murad Jurdak	Ph.D.	Professor
Na'emeh Hasan	M.A.	Instructor
Samar Mukallid	Ph.D.	Lecturer
Carol Rhoder	Ph.D.	Associate Professor
Hussein Yaghi	Ph.D.	Associate Professor

Part-timers

Lina Abyad Nassar	Ph.D.	Lecturer
Rubina Artinian	M.A.	Instructor

Najla Bachour	Ph.D.	Lecturer
Simon Faddoul	Ph.D.	Lecturer
Ra'uf Ghusayni	Ph.D.	Associate Professor
Hanin Hout	Ph.D.	Lecturer
Waltraud Merhej	M.D.	Lecturer
Mishka Mujabbber Mourani	M.A.	Instructor
May Salaheddine	M.A.	Instructor
Majida Mabrouk Sleiman	M.A.	Instructor
Mahmoud Shehab	M.A.	Instructor

3. Graduate Assistants

Amalia Abla
Hana Addam
Souad Ashkar
Randa Basho
Mona BouAzza
Lina Darwiche
Lamia Haddad
Dalal Moukarzel
Zeinab Zein

4. Non-Academic

Kashou' Kabalan, Leila	Secretary
Kurfali, Youssef	Technician
Tohmeh, Munir	Messenger

C. TEACHING

1. Number of Graduating Majors

BA	Oct. 2001	3
	Feb. 2002	4
	June 2002	26
TD	Oct. 2001	1
	Feb. 2002	3
	June 2002	38
MA	Oct. 2001	0
	Feb. 2002	0
	June 2002	7

2. Number of Majors

Fall 2002-2003

Spring 2002-2003

Graduates	55	54
Prospective Graduate	2	2
T.D.	37	46
Seniors	47	50
Juniors	39	39
Sophomores	<u>18</u>	<u>18</u>
	207	209

3. Student Enrollment in Courses

	Summer 2002	1 st Semester 2002-3	2 nd Semester 2002-3	Total
Courses numbered 300 and above	1	65	71	137
Courses numbered 211 through 299	76	625	512	1213

D. RESEARCH

Tamer Amin

Manuscript in Progress:

“Semiotic articulation of process and content in a high-school science activity: An integration of three perspectives,” co-authored with Selma Leitao and Jorge Falcao, University of Pernambuco, Recife, Brazil.

Ongoing Research Projects:

1. A cognitive linguistic characterization of concepts in thermal physics.

This research project is continuing. A graduate assistant, Lamia Haddad, has been helping in the construction of an extensive database of sentences containing target nouns (e.g. *heat*, *energy*) from physics textbooks for subsequent analysis. This is an extension of preliminary work carried out before this academic year. A proposed paper presentation covering this preliminary work entitled “A Usage-based Approach to Characterizing Concepts in Thermal Physics” has been accepted as part of the Eighth International Cognitive Linguistics Conference, July 20-25, 2003, University of La Rioja, Spain.

2. Conceptual change and computer-based interactions

I have been collaborating with Marianne Wiser, Department of Psychology, Clark University examining the potential contributions of theories in the area of cultural cognition to theorizing in computer-based teaching strategies for conceptual change. A proposed co-authored presentation entitled "Microworlds Meet Cultural Cognition" has been accepted for participation in a symposium entitled "Bridging the gap between constructivism and sociocultural perspectives?" to be held during the 10th Biennial Conference of the European Association for Research on Learning and Instruction, Padua, Italy, August 26-30, 2003.

Saouma BouJaoude

In Press

1. BouJaoude, S., Salloum, S., & Abd-El-Khalick, F. (in press). Relationships Between Selective Cognitive Variables and Students' Ability to Solve Chemistry Problems. International Journal of Science Education.
2. BouJaoude, S., & Abd-El-Khalick, F. (in press). A Decade of Science Education Research in Lebanon (1992-2002): Trends and Issues in K. Mutua and C. Sunal (Eds.). Research on Education in Africa, the Caribbean, and the Middle East. Greenwich, CT: Information Age Publishing Inc.
3. Abd-El-Khalick, F., BouJaoude, S., Duschl, R. A., Hofstein, A., Lederman, N. G., Mamlok, R., Niaz, M., Treagust, D., & Tuan, H. (in press). Inquiry in Science Education: International Perspectives. *Science Education*.
4. BouJaoude, S. & Barakat, H. (in press). Students' Problem Solving Strategies in Stoichiometry and their Relationships to Conceptual Understanding and Learning Approaches. *Electronic Journal of Science Education*.
5. Abd-El-Khalick, F. & BouJaoude, S. (in press). Lebanese Students' Views of Nature of Science. *Mediterranean Journal of Education*.

Reports

1. BouJaoude, S., & Al-Amin, A. (2003). Co-primary investigator of the project to evaluate the Lebanese Curricula. Project funded by UNESCO and implemented by the Lebanese Association for Educational Studies. Beirut, Lebanon.
2. BouJaoude, S. (2003). Achievement levels of new school project students in grades 1 to 5 in Arabic, math, and science. Project funded by the Education Development Center Inc., Newton, MA, USA.
3. BouJaoude, S. (2003). Teaching and learning by inquiry: Role of the teacher and technology. Report prepared for the Regional Workshop on Evaluating Science and Technology Curricula, UNESCO, Beirut (In Arabic).

Ongoing Research

1. Images of science in the written media in Lebanon. Data is being collected Plan to write the paper during July 2003. Self supported.

Amal BouZeineddine

Research in Progress

1. Children At Risk (CAR)

Description: In collaboration with Dr. Rima Afifi Sweid and Dr. Aziza Khalidi. The study attempts to identify the relationship between risk factors and the dropout rate in Ain El Hilwee Palestinian camp. The research design is qualitative based on exploratory questionnaires, focus groups and interviews.

Status: In Progress

2. Paper Review: المدرسة رسالة وتوجيه. Proceedings of Education Development Conference. August 2003

Description: The paper review was based on defining the role of the school, identifying teacher responsibilities, accountability of parental involvement, the effect of the new curriculum in Lebanon, and the role of students as decision makers.

Status: In press

Karma El-Hassan

The attainment of critical thinking skills by AUB students enrolled in various disciplines. The development of critical thinking skills is an important learning outcome sought by various programs. This study would like to investigate the effect of taking some courses on critical thinking skills of students. A pre-post test design will be used and the tool used will be 'Tasks in Critical Thinking', a performance-based assessment developed by ETS. It assesses tasks in inquiry, analysis, and communication and is set in a context related to one of the broad areas of humanities, social sciences, or natural sciences.

Development of a regional Early Childhood (ECE) Monitoring Tool, in collaboration with UNICEF.

Papers Under Review

1. El Hassan, K. (2001). Structure and correlates of self-concept in Lebanon. Manuscript submitted for publication.
2. El Hassan, K. (2002). Validation and development of norms for the Test of Auditory Comprehension of Language-Revised (TACL-R). Manuscript submitted for publication.
3. El Hassan, K. (2003). Development and validation of an instructor evaluation system (ICE). Manuscript submitted for publication.

Ghaith Ghaith

1. Ghaith. G. M. (Under review) Effect of the Learning Together Model of Cooperative Learning on EFL Reading Achievement, Academic Self-esteem, and School Alienation.
2. Ghaith G. M. (in press). Correlates of the implementation of the STAD Cooperative Learning Method in the EFL Classroom. International Journal of Bilingual Education and Bilingualism.
3. Ghaith, G. M. & Obeid, H. (in press). Effect of Think-alouds on Literal and Higher-order reading Comprehension. Educational Research Quarterly. 26, (4).
4. Ghaith, G. M. & Abd El- Malak M. (in press). Effect of Jigsaw II on EFL Reading Comprehension. Educational Research and Evaluation.

Marj Henningsen

Books in press:

1. Smith, M. S., Silver, E. A., Stein, M. K., Henningsen, M. A., Boston, M., & Hughes, E.K. (in press). Cases of mathematics instruction to enhance teaching: Algebra as the study of patterns and functions. New York: Teachers College Press.
2. Smith, M. S., Silver, E. A., Stein, M. K., Boston, M., Henningsen, M. A., & Hillen, A.F. (in press). Cases of mathematics instruction to enhance teaching: Rational numbers and proportionality. New York: Teachers College Press.
3. Smith, M. S., Silver, E. A., Stein, M. K., Boston, M., & Henningsen, M. A. (in press). Cases of mathematics instruction to enhance teaching: Geometry and measurement. New York: Teachers College Press.

Paper in Press:

1. Henningsen, M. A. (in press). Intertwining Research and Teacher Development in Lebanese Elementary Mathematics Classrooms: The MARAL Project. In I. Meznik & A. Rogerson (Ed.) Proceedings of the Annual Meeting of the Mathematics into the 21st Century Project: The Decidable and Undecidable in Mathematics, Brno, Czech Republic, to be held September 2003.

Technical Reports:

1. Henningsen, M.A., & Zebian, S. (2003). High-level thinking, reasoning, and communication in Lebanese elementary mathematics classrooms: A preliminary technical report on the fall 2002-2003 classroom observations of the MARAL project. Unpublished manuscript.

Research Activities:

The majority of my research time this year has been dedicated to co-directing a research and development project with a colleague in SBHS, Dr. Samar Zebian. MARAL has two broad purposes: 1) to study student engagement in high level thinking, reasoning, and communication in elementary mathematics classrooms in Lebanon (public and private, arabic and english) and 2) to provide support to teachers in their efforts to do so. The research involves data collection in schools primarily in the form of videotaped lesson observations and audiotaped interviews with teachers. This type of work is labor-intensive and time-consuming, especially considering that our sites are located all over Lebanon.

Planning for the project MARAL (MATHematics Reform for All in Lebanon) was begun in April 2001, funding was secured beginning October and November 2001. The project has been funded by the AUB URB, Middle East Research Competition, a private donor, and myself. Actual data collection did not begin until Fall 2002. For Fall 2002/2003, I was given a Hewlett Foundation one-semester paid research leave in order to launch the project data collection. For the Spring 2003 semester, however, all project activities are being completed simultaneous with regular teaching responsibilities, including field observations of 22 practicum students in the BA and TD programs. Completing everything has been challenging, to say the least. The MARAL project, which employs 1 graduate assistant and three research assistants, is ongoing.

Brief Summary of Work Completed to Date on MARAL:

Project work began seriously in November 2001. To date, the following activities have been completed or are in progress November 2001 – April 2003:

1. November 2001-September 2002: Research site applications, visits, and selection; planning; development of instrumentation; training of project staff; pilot observations and analyses; creation of logo and web page material; establishment of a research office in Fisk Hall housed within the Science and Math Education Center in the department of Education.
2. September and October 2002: Four days of workshops provided in Arabic and English to all elementary mathematics teachers, coordinators, and principals from participating school sites (approximately 40 schools and/or associations represented).
3. October- December 2002: Videotaped observations of an entire unit conducted in selected classrooms in six schools (resulted in about 65 videotaped lessons). Establishment of data management system (print, video, and audio data); Principal and coordinator interviews about the implementation of the new Lebanese curriculum conducted at a subset of school sites.
4. November 2002-January 2003: Classroom observations and teacher interviews at 13 school sites (8 private; 5 public) at schools located in the South, Chouf, Bekaa, Baalbek, and Beirut. Each observation visit consisted of 2-3 days in which all math teachers were observed and a subset was videotaped for consecutive days (Resulted in over 140 documented [field notes, write-ups, and video] classroom observations).
5. January – April 2003: Reports created for all classroom observations; Feedback reports created for the 13 intensive data collection sites; meetings conducted with school staff to review feedback; overall aggregated nationwide technical report created and disseminated representing a preliminary pass through the Fall data in order to provide a broad picture across all schools and to identify patterns in instruction across Lebanon as well as potential culturally-specific influences; Full day workshop based on Fall data designed and conducted for all sites (the 13 observation sites plus all other participating schools).
6. May 2003: Round two of data collection visits to 12 observation sites (1 public school site dropped out due to boycotting American products and institutions).

Feedback reports will be disseminated to the schools during June 2003. In addition, systematic and focused analysis projects are scheduled to be completed during Summer 2003 and Fall 2003. It should be noted that when this year's data collection is complete, we will have a database of over 200 videotaped elementary mathematics lessons in both Arabic and English. This unique (in Lebanon) database is already providing a rich source of data for a variety of analysis projects undertaken by graduate students and faculty in the departments of Education and SBHS. A proposal for continuation of the project was submitted to the URB in April 2003 for funding beginning October 2003.

Murad Jurdak

On-going Research

1. The research project on "Assessment of high school students, performance on work-based problem tasks" supported by URB was completed. A paper based on the data from the

project was submitted to the *Journal for Research in Mathematics Education* and another is being prepared to be submitted to *Educational Studied in Mathematics*.

Carol Rhoder

1. Rhoder, C. Using conditional language to foster mindful reading. Submitted to the *Journal of Adolescent and Adult Literacy*; in “revise and resubmit” stage.

Hussein Yaghi

1. Net-Based education: Developing methods and strategies for using net-based educational materials at the school level.

Responsibility: Co-investigator

Activities: An ongoing research about various means of using network-based education to improve education at the pre-university level. A database structure was created to help users (teachers and students) select media and test items according to criteria from a pool of media elements that are stored on server.

E. OTHER STAFF ACTIVITIES

Tamer Amin

1. Member of Editorial Board and Reviewer, Culture & Psychology, Sage Publications.
2. Workshops:
 - a. Using Case Studies of Scientific Inquiry to Integrate Diverse Components of the Science Curriculum, Department of Education Summer Workshops, AUB, September 2002.
 - b. Language in the Science Classroom, Department of Education, Summer Workshops, AUB, September 2002.
 - c. Participant in Panel on Mentoring Student Teachers. Organized by Practice Teaching Committee, Department of Education, AUB, January, 2003.
 - d. Interpreting Nature Through the Representations of Another. Department of Education Spring Workshops, AUB, March 1, 2003.
 - e. Presented a Practical-Interactive Session entitled, Language in Intermediate and Secondary Science. Part of *Seventh Annual Science and Mathematics Teachers Conference*, organized by SMEC, Department of Education, AUB, May 23-24, 2003.
3. Conference Organizing Committees:
 - a. Program Chair and Member of Local Organizing Committee, *Seventh Annual Science and Mathematics Teachers Conference*, SMEC VII, AUB, May 23-24, 2002.
 - b. Member of organizing committee, conference on “Models of Universities for the Arab World,” AUB, October 2003. Sponsored by the *Center for Arab & Middle East Studies (CAMES)* & *Center for Research on Population and Health*.

4. Other University and Education Department Committees
 - a. Member of AUB task force on Related Educational Activities, component of institutional self-assessment.
 - b. Member of Department of Education, Curriculum and Examination Committee.
 - c. Practice Teaching Committee Member, Department of Education
5. Graduate Student Supervision
 - a. Ghida Madhun, Masters Thesis, Committee Member
 - b. May Attieh, Masters Thesis, Project title: “The Effect of Using Concept Maps as Study Tools on Achievement in Chemistry”, Committee Member
 - c. Lina Hajj, Masters Thesis, Project title: Parents’ perceptions of science and science teaching,” Committee member.

Saouma BouJaoude

Professional activities:

1. Member of the Editorial Boards of:
 - a. Journal of Science Teacher Education (Official Journal of the Association for the Education of Teacher in Science)
 - b. Editorial Board of the Electronic Journal of Science Education.
 - c. Consulting Editor, African Journal of Educational Studies in Mathematics And Sciences.
2. Reviewer for:
 - a. Reviewer for Journal of Research in Science Teaching, School Science and Mathematics Journal, Science Education, and Science books and films, and Strand 4 of the National Association for Research in Science Teaching (NARST).
3. Senior Coordinator of Strand 8: History and Philosophy of Science, National Association for Research in Science Teaching.
4. Committee memberships in professional organizations:
 - a. Member of the International Committee, National Association for Research in Science Teaching.
5. Conferences

September 2002 Lebanese middle school students' definitions of science and perceptions of its purpose and usage. Paper presented at the Droshai Seminar on Science Learning in the Mediterranean by the University of Cyprus, Nicosia, Cyprus, September 11-15, 2002.

November 2002 Scientific literacy in the Lebanese curriculum, Paper presented at the Conference on The Third Millennium: What education for What youths held at the University of the Holy Sprit, Kaslik, Lebanon. November 16, 2002.

March 2003 Careful! It is H₂O: Teachers’ Conceptions of Chemicals (Co-author: Sara Salloum). Paper presented at the annual conference of the National Association for Research in Science Teaching, Philadelphia, PA, March 23-26, 2003.

March 2003 The Effect of using Concept Maps as Study Tools on Achievement in Chemistry (Co-author: May Attieh). Paper presented at the annual conference of the National Association for Research in Science Teaching, Philadelphia, PA, March 23-26, 2003.

May 2003 Teaching and learning by inquiry: Role of the teacher and technology. Paper presented at the regional workshop on evaluating science and technology curricula, UNESCO, Beirut, May 20-22 (In Arabic).

6. Lectures and Workshops

- a. Participated in the summer and midyear workshops organized by the Department of Education.
- b. Provided workshops to Kingdom Schools teachers, Riyadh, Saudi Arabia.
- c. Provided workshops to Al-Maharat International School teachers, Jeddah, Saudi Arabia.
- d. Coordinated a series of workshops on inquiry for Sagesse High School.
- e. Participated in workshops on student-centered learning in science in the New School Program, Egypt. This activity was implemented through the AUB Office of Regional and External Programs.
- f. Contributed to a workshop on science fairs for teachers of schools interested in participating in the Tenth Annual Science, Math and Technology Fair

7. Service on Committees

- a. Admissions Committee, FAS, member
 - b. Task Force 11- Educational Offerings (Task force on Accreditation), AUB, Co-chair
 - c. Seventh Annual Science and Math Teachers Conference (SMEC VII), AUB, Co-chair
 - d. Seminar on University Teaching, AUB and other seminars on teaching excellence, Co-Coordinator
 - e. Curriculum and Examination Committee, Department of Education, Chair
 - f. Practice Teaching Committee, Department of Education, member
 - g. Task Force for Teaching Award, AUB, member
 - h. Task Force on Accreditation - Steering Committee, AUB, member
 - i. Task Force on Learning outcomes (AUB), member
 - j. Participated in organizing the 10th Annual Science, Math, and Technology Fair, AUB
- ## 8. Thesis and Projects supervised
- a. Lina Hajj, Masters Thesis, Project title: Parents' perceptions of science and science teaching," Committee member.
 - b. May Attieh, Masters Thesis, Project title: "The Effect of Using Concept Maps as Study Tools on Achievement in Chemistry", Committee Member

Amal BouZeineddine

1. Chairperson: Practice Teaching Committee Education Pledge Ceremony Organizing Committee
2. Co Coordinator: AUB Teaching Learning Excellence Activities
3. Consultant: EDC, Beni Sweif, Egypt Almaharat International School, Jedda, KSA
Amman Baccalaureate School, Amman, Jordan
(coordinator) Sagesse High School, Ain Saade, Lebanon
4. AUB Accreditation Self – Study Task 13 (Sub-team Coordinator)
5. AUB Task Force on Learning outcomes (member)
6. Department Sept./Feb./Mar. Arabic Workshops Coordinator
7. Reviewer for TESOL Convention Papers
8. Course Coordinator (Educ. 291)

9. Member on Curriculum and Examinations Committee
10. Member on Comprehensives Examinations Committee / TEFL
11. Member on Thesis Committees in Science Education (Lina Hajj. Parents' perceptions of science and science teaching) and Educational Psychology (Maliha Moussa El Sadr. Arabizing and Validating the Baron EQ-I:YV in Lebanese Context)
12. Attended and presented in مؤتمر التربية وبناء الانسان المعاصر ،UNESCO, Beirut, Lebanon
13. Presenter: Al Imdad Schools: Teacher evaluation for Professional Development Al Kawthar Schools: Developing lesson plans as a means of proper learning and teaching
14. Organizer of Practice Teaching Professional Day. Academic Advisor: Undergraduate and Graduate students in Elementary Education

Karma El-Hassan

Throughout summer 2002 and until April 2003 was involved with AUB accreditation as Steering Committee Member, TT#7 Co-chair and TT#14 Task Team Member.

Throughout the year was involved in institutional evaluation, and in this respect performed the following tasks:

1. Fall 2002-3 developed and administered a student satisfaction survey on registration process. It covered all steps of the process and students from all faculties. Results were analyzed in a submitted report that was also published on OIRA website.
2. November 2002- January 2003, prepared, conducted, and reported the institutional accreditation survey for fourteen task teams.
3. Supervised the initiation of OIRA Survey Cycle for the year 2002-3 by conducting and reporting the following surveys:
 - a. Fall 2002, Entering Students Survey to all entering students.
 - b. Spring 2003, College Outcomes Survey to a representative sample of AUB students coming from different faculties and levels.
 - c. May-June 2003, the Collegiate Assessment of Academic Proficiency to a representative sample of students and graduating seniors.
4. Involved with teaching effectiveness at the University and in this respect was responsible for the following activities:
5. Continued with the administration, scoring and reporting of the University wide instructor course evaluation system, ICE. Improvements on the reporting system were introduced like publishing summary departmental, faculty, and University figures on-line, and providing comparisons with results of last year.
6. Spring 2003, acted as a facilitator of the assessment session of the seminar on effective college teaching that was held and attended by 20 faculty members from all disciplines.
7. April-December 2002 coordinated AUB's Market Research Study.
8. Fall 2002-3, reviewed 12 proposals for the Association of Institutional Research (AIR) Forum to be held in Florida, May 2003.
9. September 2002, headed Lebanon team to attend UNICEF Conference on developing a regional Early Childhood Monitoring (ECD) Tool, Amman, Jordan. The project will start 2003.
10. December 2002, attended the Learning Outcomes Assessment Institute organized by Middle States, in Washington, DC.
11. December 2002 submitted to *Office of the Minister of State for Administrative Reform (OMSAR)* a proposal for civil service recruitment.

12. May 2003 attended the AIR Annual Forum in Tampa, Miami and took three training workshops in data interpretation, charting and graphing and focus groups.
13. Supervisor of three MA theses in Department of Education.
14. Advisor for 30 students. Taught three courses in fall and spring, one graduate, two undergraduates.
15. Committee Membership
Faculty of Arts & Sciences
Administrative Committee (October 2001-present).
16. University
 - a. Task Team on Service Excellence.
 - b. Accreditation Self-Study Steering Committee.
 - c. Accreditation Task Team # 7 Co-Chair.
 - d. Accreditation Task Team # 14 Member.
 - e. Learning Outcomes Committee.

Ghazi Ghraith

Professional Activities:

1. I coordinated the activities of the Education Forum
2. I served as member and secretary of the Curriculum and examination Committee of the Department of Education
3. I served as member and secretary of the University Accreditation Committee (TASK 11) on educational offerings.
4. I implemented and coordinated a series of in-service workshops organized by the Department of Education.
5. I provided consultation to the Kingdom Schools and to the Al Manaa General Hospitals in the Kingdom of Saudi Arabia.
6. I served as member of the Executive Board of Directors of the International Association for the Study of Cooperation in Education (IASCE).
7. I reviewed manuscripts for *System, Language, Culture, and Curriculum*, and *Al- Abhath*.
8. I presented a paper and participated in the Third International Conference on Language Teacher Education. Minneapolis, University of Minnesota, USA.
9. I presented a paper and participated in the International Association for the Study of Cooperation in Education (IASCE), Conference UMIST- Manchester, England.

Marj Henningsen

1. Accreditation
I am serving on Task Team 3 (Institutional Resources) and functioning as a Subteam Chairperson. Our subteam has been responsible for examining Educational Resources. I have been actively involved in the entire process, including substantial work on the draft of our task team report (all sections).
2. Seminar on Teaching and Learning Excellence
I served as a session facilitator for the Seminar on Teaching and Learning Excellence in Spring 2003 (Student Portfolios). I attended many seminar sessions in addition to the ones in which I served as facilitator.
3. Workshop Attendance
I attended Mellon Foundation workshops on *Undergraduate Advising and Teaching Portfolios*.

4. FAS Committee Work

I currently serve on the FAS Curriculum Committee.

5. Graduate Advising

I am serving on a Masters thesis committee for a student outside my department in SBHS, Ms. Yasmine Zein. I am also likely to become thesis advisor for a student in Education, Ms. Lina Darwiche.

6. Education Department Committee Work

a. I have continued to serve on the curriculum and examination committee during the current year 2002-2003.

b. I have served on the graduate admissions committee. This entails reviewing graduate applications each spring and making recommendations for admission.

c. I also continue to serve on the practice teaching committee.

7. Undergraduate Advising

I have served as an undergraduate advisor, including during the semester while I was on leave.

8. SMEC Events

a. I served as co-chair of the SMEC teacher conference for 2002-2003 and also presented one of the mathematics keynote addresses in the conference this year. This was the largest SMEC conference to date with about 575 participants and 57 presenters representing at least 12 countries.

b. I served as a judge and co-advisor for the annual Science, Math, and Technology Fair in Spring 2003. I helped to develop the guidelines judging criteria for the mathematics projects in the fair. I also gave the opening ceremony remarks on behalf of SMEC and the Department of Education.

9. Presenting Workshops

In November 2002 I participated in the planning and conducting of a free workshop for schools interested in participating in the Science Fair. Around 38 schools attended this workshop given by myself, Dr. BouJaoude, and Dr. Amin.

I did not present in department workshops in September 2002 because I was already hosting a workshop for 160 teachers, principals and coordinators as part of the MARAL project development. I also conducted MARAL workshops in October 2002 and April 2003.

In February 2003 I served as one of four presenters in the Mentoring workshop for cooperating teachers sponsored by the Practice Teaching Committee.

10. Education Project Consultations

In Fall 2002 I participated as a workshop coordinator in the Al-Maharat School Project in Jeddah, KSA. This project was administered through REP.

In Fall 2002 I served on the exploration visit team for a student teacher exchange program with Vestfolt College in Tonsberg, Norway. I visited Norway with Dr. Samar Mukallid. I have also participated substantially in helping to write the proposal for funding for the program. Funding for the program has officially been approved by the Norwegian government and is awaiting approval from the University. I will serve as a co-coordinator for this project that is slated to last until at least June 2006.

In January 2003, I participated for the third year in a row in the New Schools Project in Upper Egypt. This year was again the lead presenter for math in the Minya Governorate for the student-centered teaching seminar for elementary school teachers in Minya. All sessions were conducted in Arabic with the help of a professional translator. This project is administered now through REP.

In March and April 2003 I participated in conducting inquiry workshops at AUB for teachers from Sagesse High School. In addition to the workshops we conducted follow-up visits to observe the teachers as they tried to implement ideas from the workshops.

11. Conference Participation

In September 2002 I presented a paper at the annual meeting of Math Education into the 21st Century Project: The Humanistic Renaissance in Math Education. I was invited to be co-leader of a new conference working group on Teacher Education and Development for the 2004 conference to be held in Brno. I was also appointed the country representative for Lebanon.

Na'emah Hasan

1. During the Fall Semester I taught Educ. 230 (Instructional Procedures) for two sections (65 students)
2. During the Spring Semester I taught the same course Educ. 230 for two sections (55 students). I also taught Educ. 251 (Teaching Social Studies for Elementary (17 students)
3. I supervised student teachers enrolled in Educ. 267 (Practicum) when teaching social studies in elementary cooperating schools (26 student teachers).
4. Coordination of Practice Teaching
 - a. I arranged and attend initial meetings between methods course instructors and the cooperating teachers at the various cooperating schools (20 schools)
The purpose of those initial meeting is to discuss what is expected from each party during each phase of placement.
 - b. I arranged the placement of 100 student teachers in 20 schools.
 - c. I prepared rosters of placed student teachers, their respective cooperating teachers at cooperating school, grade level, and schedules for both Fall and Spring Semester.
 - d. At the end of the academic year I prepared and submitted a categorized list of cooperating teachers and their respective student teachers for remuneration purposes.
 - e. I sent thank you letter to all Directors/Principals, their cooperating teachers and school representatives in Practice Teaching Committee.

Murad Jurdak

1. Chairperson of the Department
2. Member of the Advisory Committee, FAS
3. Steering Committee of the Accreditation Self Study, member
4. Task Force on Student Learning Outcomes, member
5. Co-Chair of Task Team on Assessment of Student Learning Outcomes

6. Attended and chaired a session in the 5th Congress of the International Society for Cultural Research and Activity Theory, Amsterdam, June 18-22, 2002.
7. Participated in the Annual Conference of the Middle States Commission on Higher Learning on “Assessing Learning”, Washington, D.C., December, 16-17, 2002.
8. Reviewer for the Journal of Research in Mathematics Education (Official Journal of the National Council of Teachers of Mathematics)
9. Reviewer for School Science and Mathematics Journal (Official Journal of the School Science and Math Association).
10. Member of the International Society for Cultural Research and Activity Theory (ISCRAT)
11. Member of the School Science and Math Association (SSMA)
12. Member of the International Group for the Psychology of Mathematics Education.

Carol Rhoder

Conference presentation:

Mindful Reading: A Framework for Adolescent Literacy. Paper presented at the 19th World Congress on Reading, International Reading Association, Edinburgh, August, 2002.

Participant: Faculty Teaching and Learning seminar, Spring, 2003

Department of Education:

Curriculum and Examination Committee

Staff Development Program: Inquiry Learning, Sagesse High School

Faculty of Arts and Sciences:

Student Affairs Committee

Proposal reviewer, Research Committee

Middle States Accreditation Review, Steering Committee (2001-present), Co-chair Task Team 13

Ossining Children’s Center, Ossining, NY, USA, member, Board of Directors (1999-pres), Long Range Planning committee

Hussein Yaghi

1. Introduced EDUC 248 and EDUC 269 the practicum courses for the Teaching Diploma in Informatics Education.
2. Taught CVSP 220 (Civilization Sequence Program) Drawing I.
3. Yaghi, H. (2003). Digital Learning Objects. *Paper presentation at the SMEC VII Teacher conference, AUB, May 23-24.*
4. Yaghi, H. (2002). Employing the Natural Synergy among Hypermedia, Cooperative Learning, and Constructivism to improve learning. Paper presentation at the Fourteenth Annual Instructional Technology Institute August 27-30. Utah State University.
5. Yaghi H. & S. Suleiman (2002). ICT-Based Education as a Long-Term Strategy for Poverty Alleviation in Developing Countries. Paper presentation at a conference about the use of technology in poverty alleviation, ESCWA, Beirut, July, 2002.

6. Consultant for the World Bank/Center for Educational Research and Development on the Lighthouse project about integrating Information and communications technologies in public schools in Lebanon, December 2002 June 2003.

F. PUBLICATIONS

Tamer Amin

1. **Amin, T. G.** (2003). The spread of English as a global language of science: Facts and ideas in search of a paradigm. A review of Ammon, Ulrich (2001). *The dominance of English as a language of science: Effects on other languages and language communities*. *Al-Logha*, 4, 47-67.

Saouma BouJaoude

1. BouJaoude, S. (2002). Developing basic and secondary education in the Arab world to encompass advances in science (223-250). In A. Abulhaija (Ed.). Science and Technology in the Arab World. Amman: Shouman Association.
2. Haidar, M., Abdel-Khalick, F., **BouJaoude, S.** (2003). Lebanese Secondary School Students' Environmental Knowledge and Attitudes. Environmental Education Research, 9, 21-33.

Amal BouZeineddine

1. Ghaith, G. & **BouZeineddine, A.** (2003) Relationship between reading attitudes, achievement, and learners' perceptions of their jigsaw II cooperative learning experience. 2003. Reading Psychology. 24:105-121.
2. BouZeineddine, A. (2002). The assessment mechanism of teacher performance and its technologies. Teacher Preparation in the Arab Countries. pp. 237 – 250.

Ghazi Ghaith

1. Ghaith G. M. (2003). The Problems and Prospects of Using Selected Cooperative Learning Structures in Educating Teachers of English as a Foreign Language. Journal of Student Centered Learning. 2(1), 93-100.
2. Ghaith G. M. (2003). Readiness of Educational Reform: The Case of EFL Reading Teachers in Lebanon. Journal of Education for Teaching. 29 (2), 177-178.
3. **Ghaith, G. M.** & Harkouss, S. (2003). Role of Text Structure Awareness in the Recall of Expository Discourse. Foreign Language Annals. 35 (1), 86-96
4. **Ghaith G. M.** & Bouzeineddine, A. (2003). Relationship Between Reading Attitudes, Achievement, and Learners' Perceptions of Their Jigsaw II Cooperative Learning Experience. Reading Psychology 24 (2), 105-120.
5. Ghaith, G. M. (2002). The Relationship Between Cooperative Learning, Social Support and Achievement. System, 30 (3), 263-273.

6. Ghaith, G. M. (2002). Using Cooperative Learning to Facilitate Alternative Assessment. English Teaching Forum. 40 (3), 26-31.
7. Shaaban, K. & **Ghaith G. M.** (2002). University Students' Perceptions of the Ethnolinguistic Vitality of Arabic, French, and English in Lebanon, Journal of Sociolinguistics, 6 (4), 557-574.
8. Yaghi, H. & **Ghaith G.** (2002). Correlates of Computing Confidence Among Teachers in an International Setting. Computers in the Schools, 19 (1/2), 81-94.

Marj Henningsen

1. Henningsen, M.A. (2002). Using Narrative Classroom Cases to Promote Inquiry about Mathematics, Teaching, and Learning. In Spagnolo, P. & Rogerson, A. (Eds.), Proceedings of the 4th International Conference on The Humanistic Renaissance in Mathematics Education, September 2002, Palermo, Italy.

Murad Jurdak

1. Jurdak, M. (2002). A core paper for the preparation of teachers in the Arab countries. In *Teacher Preparation in the Arab Countries*. pp., 272-296. Beirut: Lebanese Association of Educational Studies (LAES).
2. Jurdak, M. (2002). Evaluation of school textbooks in the New Lebanese *Curricula*. Beirut: UNESCO Office for Education in the Arab States.

Hussein Yaghi

1. Yaghi, H. & Ghaith, G. (2002). Correlates of computing confidence among teachers in an international setting. Computers in the Schools Journal (USA), 19(1/2), 81-94.

G. FUTURE DEVELOPMENTS

1. The Department will start a review of its BA curriculum based on the results of the assessment study, which is currently under implementation.
2. The Department will consider introducing a Teaching Diploma in Early Childhood Education.
3. Recruitment of faculty for the five vacant positions in Education has to be intensified.

M. Jurdak
Chair

SCIENCE AND MATH EDUCATION CENTER

SMEC FACULTY:

Full-Time Faculty

Dr. Saouma BouJaoude, Director, SMEC	Science Education
Dr. Tamer Amin	Science Education
Dr. Marjorie Henningsen	Math Education
Dr. Murad Jurdak, Chair, Department of Education	Math Education

SMEC STAFF:

Ms. May Abu Shakra	Clerk Stenographer
Mr. Hanna Helou	Lab Attendant
Ms. Souad Ashkar	Student Librarian (First semester), Graduate Assistant (Second semester)
Ms. Inar Zein	Student Librarian (Second semester)
Mr. Hadi Mansour	Student Librarian (Work study scholarship)

The following activities took place in SMEC between July 1, 2002 and June 30, 2003

ACTIVITIES OF SMEC FACULTY

SMEC faculty teaching and service activities:

SMEC faculty carried out their teaching loads in the Department of Education. Moreover, they were involved in the Kingdom School Project activities, the Department summer and spring workshops, the Seventh Annual Science and Math Teachers Conference, the 10th Annual Science, Math, and Technology Fair, and a variety of Department, Faculty, and University committees. For details, please refer to the annual reports of the faculty members presented to the Department of Education.

SMEC Faculty Research:

Please refer to the annual reports of SMEC faculty members presented to the Department of Education.

Workshops:

- SMEC Faculty members participated in the summer and spring workshops organized by the Department of Education.
- Two of SMEC Faculty members, Dr. Saouma BouJaoude and Dr. Marjorie Henningsen, participated in workshops on student-centered teaching in science and math in the New School Project, Egypt. Involvement in these workshops was through the AUB Office of Regional and External Programs.
- SMEC Faculty members Dr. Saouma BouJaoude, Dr. Marjorie Henningsen, and Dr. Tamer Amin conducted a workshop in November 2003 for schools interested in participating in the 10th Annual Science, Math and Technology Fair. Teachers from 38 schools participated in this free workshop. The workshop introduced participants to the types of projects expected by the organizers of the Fair. The emphasis in the

presentations was on helping teachers to encourage their students to conduct meaningful research in science and math. Moreover, a new section on inventions was introduced to teachers as one of the possible activities accepted for presentation in the Fair

- SMEC faculty members, Dr. Saouma BouJaoude, Dr. Marjorie Henningsen, and Dr. Tamer Amin, participated in the Workshop on inquiry conducted for Sagesse High School teachers. The workshop was coordinated by Dr. Saouma BouJaoude.

SMEC CONFERENCE (SMEC VI):

The Seventh Annual Science and Math Teachers' Conference (SMEC VII) organized by the Science and Math Education Center at AUB was held on the campus of AUB on May 23 and 24, 2003. In its seventh year, the Conference attracted approximately 575 participants, out of which 57 were presenters from Lebanon, Arab countries, Iran, the USA, and the UK. UNESCO sponsored most of the participants and presenters from Arab Countries. The plenary sessions and concurrent sessions were focused on the themes of the conference that included: Specialized ways of using language in teaching science and mathematics, critical thinking in math and science and practical implications of research in science and math education, including ways for teachers to engage in research. Speakers in the opening ceremony, which was held in Issam Fares Hall, included Dr. Peter Heath, AUB Provost, Dr. Ramzi Baalbaki, Acting Dean of the Faculty of Arts and Sciences, and Dr. Tamer Amin, SMEC VII Program Chair and member of SMEC. The Master of Ceremonies was Dr. Saouma BouJaoude, SMEC Director and Conference Co-Chair. Following the opening ceremony, Dr. Martin Stirrup, who was sponsored by Hienemann, Ginn, Rigby, gave a plenary session entitled "How to Teach Science and Remain Sane" for science teachers while Dr. Marj Henningsen, SMEC member and Conference Co-Chair gave a plenary session to Math teachers entitled "What's Happening in Elementary Math Classrooms Around Lebanon: Preliminary Results from the MARAL Project". The two plenary sessions on Saturday, May 24 were by Dr. Bob Craven, whose presentation was entitled "Developing Critical Thinking in Science Using Discrepant Events". Dr. Craven was sponsored by Harcourt International. The math plenary session was given by Dr. Ghada Khoury-Gholem, Education Specialist, UNESCO Cairo Office and Dr. William Obeid, Ain Shams University, Cairo Egypt. The session was entitled "A Paradigm Shift in Mathematics Education within the context of Globalization. This session was jointly Sponsored by UNESCO Cairo Office and Pearson Education. Among the activities of the Conference was a textbook exhibit involving major educational publishers and local distributors.

SMEC LIBRARY: The SMEC library continues to serve as a valuable resource and study center for both pre-service and in-service teachers and for BA and Teaching Diploma students in the department of education. The library is open daily M-F from 8 am - 4 pm and is always attended by SMEC staff members or a student librarian.

SCIENCE, MATH AND TECHNOLOGY FAIR: SMEC and the Education Students Society (ESS) organized the Tenth Annual Science, Mathematics, and Technology Fair, which was held between May 2 and 4, 2003. Twenty-five schools from all regions of Lebanon participated in the fair. Dr. Tamer Amin, SMEC member and advisor of the ESS coordinated the activities of the Fair with the ESS. Thirty-three awards trophies and medals were awarded. Judges in the Fair included AUB faculty members and senior Education students specializing in Math and Science. Each participating child received a certificate of participation as well.

ROOM 208 FISK HALL

Room 208 in Fisk Hall, the multipurpose room used to teach most science and math education courses is now equipped with a computer connected to an LCD projector mounted in the ceiling. Moreover, SMEC has acquired a variety of computer probes, calculators, and other math and science instructional materials that are placed in Room 208 Fisk Hall for use in the science and math education courses.

SMEC NEWSLETTER AND WEBSITE

The SMEC Website (<http://departments.aub.edu.lb/~websmec>) was updated regularly. The Website includes information about SMEC activities, SMEC Faculty, SMEC Staff, SMEC Library, and the SMEC NEWSLETTER. The SMEC Newsletter is updated regularly with articles of interest to science and math educators at all educational level.

S. BouJaoude
Director

DEPARTMENT OF ENGLISH

A. SUMMARY OF PROGRAMS

Literature and Language Programs

The undergraduate programs in English literature and English language continue to attract a fair number of students who join at the sophomore or junior level. Furthermore, there is a surge in enrolment in the graduate programs in these two areas; students joining the Department come with undergraduate degrees from AUB or from other universities in Lebanon.

The second year of implementing the new curricula of the degree programs in English language and English literature did not pass without pain, especially for transfer students who were caught between the old and the new programs. On a more positive note, the Department established, in association with the Arabic Department, a minor in translation. The Department is also cooperating with the Arabic Department in organizing and coordinating the activities of the newly-established Anis Makdisi Program.

The proposal for an MA in Creative Writing has been put on hold until we have enough qualified and experienced faculty members to run the program. One bright spot for the program during the second semester was the presence of a resident writer, the novelist Rabih Alameddine who taught an advanced fiction writing course and conducted a series of writing workshops for students and faculty. Meanwhile, the Creative Writing Program played host to quite a few prominent Arab and foreign writers who interacted with the students on issues related to their writing careers. The English language program, on the other hand, played host to two visiting lecturers, Marina Dodigovich from Zayed University in Dubai and Dr. Micheline Chalhoub-Deville from the University of Iowa. The former gave a presentation on "Teaching with an Intelligent Computer." The latter, a leading expert on testing, conducted a two-day workshop for Communication Skills teachers on assessment; her visit was a joint activity between CELRT and the USIA office at the American Embassy.

The Department started the University Preparatory Program (UPP), a new 25-hour a week program for preparing students, mainly in English, to join university studies. The first year proved highly successful, and most of the students who have gone through the program have achieved the goals set for them. On the other hand, the Communication Skills courses and the Intensive English course were revised by an ad hoc departmental committee created for this purpose.

B. PERSONNEL

1. Faculty Members

Alameddine, Rabih (Spring)	Lecturer	Ph.D.
Bayer, Marc	Assistant Professor	Ph.D.
Choueiri, Lina	Assistant Professor	Ph.D.
Diab, Rula	Assistant Professor	Ph.D.
Harb, Sirene	Assistant Professor	Ph.D.
Hout, Syrine	Assistant Professor	Ph.D.
Iwen, Jason	Assistant Professor	Ph.D.
Khalaf, Roseanne	Assistant Professor	Ph.D.
Long, Andrew	Assistant Professor	Ph.D.
Malette, Karla (part-time, Fall)	Assistant Professor	Ph.D.
Nassar, Christopher-Suheil	Associate Professor	Ph.D.
Salem, Liza (Spring)	Visiting Professor	Ph.D.
Shaaban, Kassem ^(Chair)	Professor	Ph.D.
Abi-Nader, Mirna	Instructor	M.A.
Al-Asaad, Maha	Instructor	M.A.
Al-Awar, Nada (part-time, Fall/Spring)	Instructor	M.A.
Araj, Suad	Instructor	M.A.
Baalbaki, Rula	Instructor	M.A.
Baasiri, Bassima (part-time, Fall)	Instructor	M.A.
Deeb, Rima	Instructor	M.A.
El-Den, Najwa	Instructor	M.A.
Fadda, Nada	Instructor	M.A.
Fakhry, Rima	Instructor	M.A.
Farah, May (part-time, Spring)	Instructor	M.A.
Hamdar, Abir	Instructor	M.A.
Hanna, Rima (part-time, Fall)	Assistant Instructor	M.A. (in progress)
Harajli, Suhair	Instructor	M.A.
Harakeh, Rima	Assistant Instructor	M.A. (in progress)
Hayek, Ghenwa (part-time, Fall)	Instructor	M.A.
Iskandarani, Rima	Instructor	M.A.
Karkanawi, Lina	Instructor	M.A.
Kassamani, Dima	Assistant Instructor	M.A. (in progress)
Khoury, Lorraine (part-time, Spring)	Assistant Instructor	M.A. (in progress)
Khoury, Malakeh	Instructor	M.A.
Khoury-Shalhoub, Nina ^(Com. Skills Coordinator)	Instructor	M.A.
Kodeih, Rabab	Instructor	M.A.
Lakkis, Khadijeh	Instructor	M.A.
Maktabi, Sawsan	Instructor	M.A.
Maushy, Rita (part-time, Fall)	Instructor	M.A.
Mikati, May	Instructor	M.A.
Moussa, Najwa (part-time, Fall)	Instructor	M.A.
Najjar, Jasmine (part-time, Fall)	Instructor	M.A.
Peltekian, Katia	Instructor	M.A.
Rashash-Shaaban, Reem ^(UPP Director)	Instructor	M.A.

Safieddine, Suha	Instructor	M.A.
Shadid, Rima	Instructor	M.A.
Shalak, Maha (part-time, Fall/ Spring)	Instructor	M.A.
Shayto-Shmaysani, Haifa	Instructor	M.A.
Sinno, Zane	Instructor	M.A.
Zreik, Hassan	Instructor	M.A.

2. Graduate Assistants

1st Semester

Baghdadi, Alexis	B.A.
Bou-Ayyash, Nancy	B.A.
Bourji, Amy	B.A.
Choubassi, Baraa	B.A.
Baltaji, Dana	B.A.
Fakhreddine, Hoda	B.A.
Hadid, Darine	B.A.
Haidar, Rana	B.A.
Hashem Bek, Zeina	B.A.
Khoury, Lorraine	B.A.
Mahfouz, Julia	B.A.
Stouhi, Missan	B.A.
Turk, Rania	B.A.

2nd Semester

Atme, Reine	B.A.
Baghdadi, Alexis	B.A.
Bou-Ayyash, Nancy	B.A.
Bourji, Amy	B.A.
Choubassi, Baraa	B.A.
Baltaji, Dana	B.A.
Fakhreddine, Hoda	B.A.
Hadid, Darine	B.A.
Haidar, Rana	B.A.
Hashem Bek, Zeina	B.A.
Mahfouz, Julia	B.A.
Stouhi, Missan	B.A.
Turk, Rania	B.A.

3. Non-Academic Staff

Ayyash, Samar	Clerk Stenographer
Nseir, Nidal	Secretary
Tohme, Joseph	Lab Technician

C. TEACHING

1. <u>Number of Graduating Majors</u>	<u>1st Semester</u>	<u>2nd Semester</u>
B.A. Literature Majors	1	10
B.A. Language Majors	1	9
M.A. candidates	0	1

2. <u>Number of Majors (Language)</u>	<u>1st Semester</u>	<u>2nd Semester</u>
Graduates	18	18
Seniors	7	9
Juniors	6	7
Sophomores	2	5

3. <u>Number of Majors (Literature)</u>	<u>1st Semester</u>	<u>2nd Semester</u>
Graduates	10	13
Seniors	12	15
Juniors	11	8
Sophomores	8	10

4. <u>Student Enrollment in Courses</u>	<u>Summer</u>	<u>1st Semester</u>	<u>2nd Semester</u>	<u>Total</u>
Courses numbered 300 and above	0	36	43	79
Courses numbered 211 to 299	24	293	400	717
Courses numbered 200-208	170	1838	1568	3576
Courses numbered below 200	0	373	116	489

5. <u>Number of Credit Hours Offered</u>	<u>Summer</u>	<u>1st Semester</u>	<u>2nd Semester</u>	<u>Total</u>
Courses numbered 300 and above	0	15	15	30
Courses numbered 211 to 299	6	54	75	135
Courses numbered 200 to 208	33	237	213	483
Courses numbered below 200	0	143	81	224

D. RESEARCH

Bayer, Marc

1. Theatre and Social Capital in Jacobean London. (a book in progress.)
2. "Twelfth Night and the Economics of Christian Charity," (article in progress.)
3. "Khaki Hamlets," (an article in progress.)

Diab, Rula

1. "Cultural and situational influences on EFL students' beliefs about language learning." (Paper submitted for publication.)
2. "University students' beliefs about learning English and French in Lebanon." (Research completed, paper being written.)
3. "Teacher and student views on responding to ESL writing: A case study." (Research completed, paper being written.)
4. "Responding to EFL writing: University instructors and students' preferences for error correction." The study aims at exploring university instructors and students' preferences for paper marking techniques and attempts to compare instructors' and students' beliefs about what constitutes effective feedback to writing. (Initial exploratory stage.)

Choueiri, Lina

1. The Syntax of Arabic, working in collaboration with Joseph Aoun and Elabbas Benmamoun on a descriptive comparative grammar of Arabic dialects, for Cambridge University Press.

Hamdar, Abir

1. "Exile, Home and Identity: Constructing Alternative Spaces in *The Homeland* by Hamida Na'na." (Paper completed and submitted for publication in Crisis and Memory: The Representation of Space in Modern Levantine Narrative. Ed. Ken Seigneurie. Wiesbaden: Reichert, 2003.)
2. Our Feminine Memory. (A book sponsored by the Women's Institute at the Lebanese American University and is in its initial exploratory stage. Co-authored with Maysa El-Hage and Josiane Maalouf.)

Harb, Sirene

1. "Subversive Translations and Female Crossings," article to be published in 2004 in a collection of essays (title TBA), editor Jeanne Garane, University of South Carolina.
2. The Poetics and Politics of Hybridization in Ethnic American Literatures (advanced research stage)
3. Cultural Memory and Imagined Histories in Arab-American Writing (Initial exploratory stage)
4. Melville, Hawthorne, and America's "Others" (Initial exploratory stage)

Hout, Syrine

1. "The Politics and Poetics of Home and Exile in Nadia Tueni's *Archives sentimentales d'une guerre au Liban*."
2. "Going the Extra Mile: Redefining Identity, Home, and Family in Hanan Al-Shaykh's *Only in London*." (Submitted to *Studies in the Humanities*.)

3. Contemporary Anglophone Novels by Arab Women in relation to cultural hybridity, identity, nationalism, war, and exile. (initial exploratory stage)

Iwen, Jason

1. “2”, “4”, & “5” (from *American Zajal*) in *Third Coast*. (poem in press)
2. “Horse-hair Worms” & “Property Tax” (from *Practice*) in *Reed*. (poem in press.)
3. “Orange” (from *Practice*) in *Fence*. (Poem in press.)
4. “Not to Make a Big Deal Out of Death” & “Two-way Walkie-talkie” (from *Practice*) in *Onthebus*. (Poem in press.)
5. “Checkpoint Economy” in *Emergency Almanac*. (Poem in press.)
6. *The Momentary Jokebook* (experimental fiction—1/2 completed; book in progress)
7. *Emergency Investigations* (experimental nonfiction—1/3 completed; book in progress)
8. *American Zajal* (poetry—3/4 completed; book in progress)

Khalaf, Roseanne

1. “Exercise, Discourse, and Empowerment,” a paper presented at the British Association of Applied Linguistics, Cardiff University, UK (September 2002).
2. *Transit: New Writing from Beirut*. An anthology of urban experience which includes fiction, non-fiction and memoir. Co-edited with Malu Halasa (to be published by Saqi Books, London, November 2003).
3. *The Hotel Cat*. A children’s story (to be submitted for publication).
4. “Multilingualism and Multiculturalism at the University Level” (paper to be presented at the Third International Conference on Trilingualism and Third Language Acquisition, September 2003 in Tralea, Ireland)

Lakkis, Khadijeh

1. “Using E-mail Journal Writing,” co-author with Mirna Abdel-Malak (to be published)

Long, Andrew

1. “Pamphlets and pamphleteering”
2. “Street Arabs and the American Ghetto”

Mikati, May

1. “The Digital Spectrum in English Language Teaching,” (research completed and findings presented at the IATEFL conference, UK, April 2003. Paper submitted for publication.)

Nassar, Christopher-Suheil

1. The Importance of Being Earnest 2: A Novel. A major rewrite and expansion of Wilde’s famous play, recast in novel form. Currently under consideration.
2. The Resurrection of Dorian Gray. A sequel to Wilde’s novel. Over 150 pages completed.

Shaaban, Kassem

1. "English language teaching in Lebanon: Challenges of the future." In G. Braine (Ed.). Teaching English to the World. Alexandria, VA: TESOL. Book in press.
2. "Global Education in the Lebanese English Language Curriculum." Data collected and analyzed. Paper at the writing stage.
3. "Reading attitudes, achievement and cooperative learning" (With Dr. Ghazi Ghaith). Analysis of data stage.
4. "Curriculum issues in English as an international language." Data collected and being analyzed.
5. "Multiple perspectives on EFL for young learners in Lebanon." Collection of data stage.

E. OTHER STAFF ACTIVITIES

Araj, Suad

1. Presented a swapshot: "To read or not to read" at the 37th International IATEFL Annual Conference, Brighton, England, April 22-26, 2003
2. Attended the ATEL conference, UNESCO Palace, Beirut (May 2003).
3. Attended a workshop on "Developing Program and Course Learning Outcomes," AUB, May 2003.
4. Attended a workshop on "Recent Trends in Assessment," AUB, May 2003.

Baalbaki, Rula

1. Translated "The Deterioration of the Human Situation in Iraq" and "Al-Zubair", written by Kuwaiti journalist Hamid Al Hoummoud, from Arabic to English. (Originally published in *Al-Qabass Newspaper*.)
2. Completed the translation of author Ussaima Darwish's novel into English. (to be published in Spring/Summer 2003)
3. Presented a paper at the TESOL Greece 26th Annual Conference entitled: "The Use of Thematic Words and Expressions in Academic Reading Activities," March 2003.
4. Head of Subcommittee on Basic Skills for the duration of TT13 functions
5. Wrote the report of the TT13
6. Conducted a Focus Group discussion on the level of English proficiency at AUB, as part of the work of the TT13 Subcommittee on Basic Skills, Fall 2002-2003.
7. Submitted 35 test items for the En Test of AUB, May 2003.
8. Member of the Ad Hoc Committee, English Department, to revise the Communication Skills syllabi.

Bayer, Marc

1. Presented a paper entitled "1603 and Its Hysterisis," Shakespeare Assoc. of America. Victoria, BC. April 2003.
2. Presented a paper entitled "Heywood's Epic Theater," American Popular Culture Assoc. New Orleans, LA. April 2003.

3. Contributing Editor. Compendium of Renaissance Drama.
4. Research Fellowship. Newberry Library. Chicago, IL.
5. "Foxeian Drama at the Fortune and Red Bull," accepted for publication in *Renaissance and Reformation*.

Choueiri, Lina

1. Reviewer of the *Journal of East Asian Linguistics*
2. Reviewer for an edited volume with the working title *Minimality Effects in Syntax* to be published by Mouton De Gruyter in the Studies in Generative Grammar Series.

Diab, Rula

1. Chair of the Ad Hoc Curriculum Committee, Communication Skills Program, English Department, AUB.
2. Member of the English Language and Literature Curriculum Committee.
3. Thesis advisor for one graduate student in Language.
4. Member of the thesis committee of two graduate students in Language and TEFL.
5. Secretary, CELRT faculty.

Fakhry, Rima-Magdalen

1. Attended a workshop on "Recent Trends in Assessment," given by Dr. Chalhoub-Deville at AUB, May 28-29, 2003.
2. Attended a Faculty Seminar on "Teaching Excellence," March 14- May 14, 2003, AUB.
3. Attended the APA Eastern Division 99th Annual Meeting, Philadelphia, Pennsylvania, December 27-30, 2003.
4. Attended a conference on "Intentionality: Past and Present," Miskolc, Hungary, June 21-24, 2002.
5. Guest Speaker in Dr. K. Shaaban's "Translation" class, May 2003.
6. Member on the Task Team on "Planning and Resource Allocation," chaired by V/P Bernson.
7. Choreographer for AUB's Major Production, May 2002
8. Assistant Social Coordinator, C.S. Program, 2001-2003, AUB.
9. Professional copy-editor and proofreader of the AUB Annual Report 2001.

Harb, Sirene

1. Panel chair, "Globalization, Culture, and Power: An International Symposium," Anis K. Makdissi Program in Literature, Fall 2002.
2. Reader, M.A. Thesis (Nayiri Serop Baboudjian), English Department, Spring 2003.
3. Member, Curriculum Committee, English Department, Spring 2003.

Hout, Syrine

1. Advisor for new English major students.
2. Secretary for Faculty of Arts and Sciences.

3. Referee for the journal *Utopian Studies*.
4. “Not Where But ‘How Far’ One Goes: Negotiating Liberty, Sexuality, and Identity in Hanan Al-Shaykh’s *Only in London*.” “Arab Voices in the Diaspora: An Interdisciplinary Research Forum,” University of Leeds, UK, 1-2 July 2002. Funded by URB.
5. “Laughing and Crying Out Loud: Redefining Identity, Home, and Family in Two Contemporary Lebanese-Diasporic Novels.” Annual Convention of the Modern Language Association of America, New York, New York, 27-30 Dec. 2002.

Iskandarani, Reema

1. Course Director of Intensive English, English 100
2. Team member on the English Language Committee for the Kingdom Schools Project; REP, AUB— The work involves program design and development, teacher training, overseeing placement exams, curriculum development, textbook recommendations, and overall program management and quality control of the English Language Program at the Kingdom Schools in Riyadh.
3. Team member on the Ad Hoc Curriculum Committee, English Department.
4. Attended a workshop on “Recent Trends in Assessment,” May 28-29, 2003, English Department, AUB.
5. Developing multiple choice test items for two new forms of the EEE.

Iwen, Jason

1. Presented a paper entitled “Why Write at All?” at the annual Associated Writing Programs conference in Baltimore, Maryland, February 28, 2003.
2. Facilitated a discussion of portfolio evaluation, at AUB’s Teaching Excellence Seminar, May 7, 2003.
3. Contributing Editor for Emergency Press (www.emergencypress.org).
4. Advisor for *Anima*, the new AUB literary journal.

Khalaf, Roseanne

1. Reader of MA thesis (Nayiri Baboujdian).
2. Coordinator of Creative Writing.
3. Coordinator of Creative Writing Lecture Series. Professional writers, publishers, editors and journalists are invited to share their experiences with students.
4. Deputy Chairman of the English Speaking Union in Lebanon. (Activities include selecting students from universities in Lebanon to attend the ESU Cultural Seminar at either Oxford or Cambridge and sending two qualified Lebanese candidates to take part in the Public Speaking Competition in London.

Khoury, Malakeh

1. Attended a workshop on “Recent Trends in Assessment” conducted by Dr. Micheline Chalhoub-Deville from the University of Iowa. Department of English, AUB, May 29-30, 2003.

2. Participated in a seminar on “Developing Program and Course Learning Outcomes,” AUB, April 2003.
3. Member of the Ad Hoc Committee, Communication Skills Program, English Department, AUB. (Fall 2003)
4. Member of the Task Team 14 of the Accreditation Committee on Assessment of Student Learning, AUB. (2002-2003)
5. Participated in the discussion of language related activities as part of a focus group for Task Team 13, AUB, February 2003.

Khoury-Shalhoub, Nina

1. Program Coordinator, Communication Skills Program, English Department, 2002-2003.
2. Member, Curriculum Committee of the Communication Skills Program, 2002-2003.
3. Presented a workshop entitled: “Helping Students Develop Critical Reading Skills—A Lesson Plan” in the 24th Annual TESOL Greece Convention, March 15-16, 2003, Athens.

Kodeih, Rabab

1. Presented a workshop on “ Developing Speaking Skills” at the 37th International IATEFL Annual Conference in Brighton, England (April 22-26, 2003).

Lakkis, Khadijeh

1. Member on the AUB Accreditation Task Team-9.
2. Presented a paper entitled: “E-mail Journal Writing,” Granada, Sept. 2002.
3. Attended a workshop on Advising, October 2002.
4. Organized and coordinated the Fourth and Fifth Professional Orientation Seminar for New Faculty at AUB, Sept. 2002 and Oct. 2003.
5. Presented a poster presentation at UESCO Conference on Intercultural Education, Finland, June 2003.

Long, Andrew

1. Literature Coordinator; 2002-2003.
2. Student advisor; 2002-2003. Advisor to all English Literature majors.
3. Curriculum Committee; 2002-2003; member involved in curriculum improvement projects.
4. Coordinator for new faculty; Fall 2002.
5. Reader for M.A. student thesis (Nayiri Baboudjian)
6. Thesis advisor for M.A. student thesis (Samar Barakat)
7. Makdissi Program in Literature; Member of the program board. Organizer for two major events (Globalization conference of 12/02 and the May Memorial lecture by Edwar Kharrat 5/03) as well as two smaller events.

Mikati, May

1. Coordinator of English 204, Communication Skills Program, English Department
2. Attended and gave a talk at the IATEFL conference, UK, April 22-26, 2003.
3. Contributed questions for the AUB English Entrance Examination.
4. Attended computer workshops at AUB on: "Basic Database Management: Access 2002I," "Adobe Acrobat," "What's New in Excel 2002/XP," WebCT Q and A for Designers," "Faculty Workshop on the Use of Technology in Teaching and Learning at AUB," "Word 2002 II," "WinZip," and "PowerPoint II."
5. Attended a workshop on "Recent Trends in Assessment," AUB, May 29-30, 2003 (given by TOEFL's Dr. Chalhoub-Deville).

Peltekian, Katia

1. *Presented a paper entitled: "How do I use poetry, let me count the ways" at the 37th International IATEFL Annual Conference in Brighton, England, April 22-26, 2003.*
2. Attended an intensive course on "Technology in Language Learning," International House, London, England, July 2002.

Safieddine, Suha

1. Testing Committee (English 203)
2. Submitted my doctorate dissertation in May 2003; and expecting to defend thesis on the 17th of July, 2003.

Shaaban, Kassem

1. Member, TESOL Board Sociopolitical Concerns Committee
2. Chairman, Board of Graduate Studies
3. Chairman, English Department
4. Director, CELRT
5. Chairman, English Language Committee, Kingdom Schools Project
6. Acting Chairman of the Arts and Sciences Student Affairs Committee
7. Member, Arts and Sciences Graduate Committee
8. Member and Deputy Chair, Mission Statement Accreditation Committee (Task Team # 1)
9. Member, University Senate
10. Consultant, University of Sharjah
11. Refereed manuscripts for *Language, culture and Curriculum, Al-Abhath, and The Journal of the University of Bahrain*

Shaaban, Reem

1. Member on the Accreditation Task Team 5, AUB.
2. Secretary, Parents Committee, American Community School (2002-05).
3. Member on the Steering Committee for Accreditation, American Community School (ACS).
4. Advisor, Red Cross Club, AUB.

5. Advisor, Gulf Club, AUB.
6. Attended a workshop on WebCT 1, 2, 3 and 4.
7. Attended a workshop on Excel 1, 2 and 3.
8. Participated in the Faculty Seminar on Learning and Teaching Excellence, AUB (March 7- May 14).
9. Attended the Seminar on Developing Program and Course Learning Outcomes, AUB, (May 7, 2003).
10. Presented a mini-workshop on the teaching and writing for UPP faculty (Fall semester).

Shadid, Rima

1. Presented a paper entitled: “Communication—the essence of interaction,” at the 37TH IATEFL International Conference in Brighton, England, April 22-26, 2003.
2. Member of Task Team 8 on Admissions, AUB.
3. Worked with Curriculum Committee on Communication Skills courses revision, English Department, AUB.

Sinno, Zane

1. Member of the Curriculum Revision Committee.
2. Currently working on a doctorate in Education with Leicester University.
3. Attended a WebCt III workshop.

Zreik, Hasan

1. Attended a workshop on “Second Language Testing: Construct, Tasks and Scoring,” presented by Dr. Chalhoub-Deville, English Department, AUB, May 20-30, 2003.
2. Attended the ATEL 6th Annual Conference on “English Across Boundaries,” Unesco Palace, Beirut, May 31, 2003.

F. PUBLICATIONS

Bayer, Marc

1. “The Distribution of Political Agency in Fletcher’s Purple Island,” *Criticism* 44, 2002, 249-66.

Hout, Syrine

1. “Critical Encounters: Feminism, Exoticism, and Orientalism in Freya Stark’s *The Southern Gates of Arabia*.” *Studies in Travel Writing* 6 (2002): 54-77.

Iwen, Jason

1. “And Yet Events Accumulate, Something Happens: an Interview with Leslie Scalapino” in *The Cream City Review*, vol. 26, # 2, pages 67-78.
2. “Practice” in *Clackamas Literary Review*, vol. 6, # 1, page 17.

3. "Fossil Fuel and the Transmigration of Matter" in *Emergency Almanac* (www.emergencypress.org)

Long, Andrew

1. "The Secret Policeman's Couch: Confession and the scene of Interpellation in *Under Western Eyes*". *Studies in the Novel*. Winter 2003.

Nassar, Christopher-Suheil

1. "Plato in John Donne's 'The Good Morrow,'" in *ANQ*, vol. 16 (Winter 2003), 20-22. Argues that Plato's philosophy is at the root of Donne's poem.
2. "The Problem of the Jewish Manager in The Picture of Dorian Gray, in *The Wildean* 22 (January 2003), 29-36.

Shaaban, Kassim

1. Shaaban, K. & Ghaith, G. (2002). University Students' Perceptions of the Ethnolinguistic Vitality of Arabic, French and English in Lebanon. *Journal of Sociolinguistics*, 6 (4), 557-574.
2. Shaaban, K. & Ghaith, G. (2002). Effect of Religion, First Foreign language, and gender on the Perception of the Utility of Language. *Journal of Language, identity, and Education*, 2 (1), 53-77.

G. FUTURE DEVELOPMENT

As the Department has witnessed an increase in the number of students, especially at the graduate level, efforts are under way to recruit more faculty members in order to meet increasing demands. We hope to be able to go to the MLA and TESOL conventions to interview applicants.

Regarding academic programs, the Department has revised admissions the Communication Skills program and is currently in the process of revising the literature and language degree programs. The decision to offer a joint minor in translation in conjunction with the Arabic Department will be followed by efforts to put together a diploma in translation to be offered at a later date.

Faculty development remains a high priority on the agenda of the Department for the coming years. The successful example of cooperation with the cultural section of the US embassy in sponsoring US-based scholars who would come to AUB and participate in workshops, lectures, or seminars will be continued.

The Department also intends to strengthen its Intensive English Course (IEC) and the University Preparatory Program (UPP) in order to meet the increasing demands for these two important programs. This will take the shape of implementing and revising teacher training activities, curricular design, assessment procedures, and activities.

K. Shaaban
Chair

APPENDIX A

COMMUNICATION SKILLS PROGRAM

A. SUMMARY OF PROGRAMS

This year the Curriculum Committee of the Communication Skills Program proposed changes regarding the course syllabi, textbooks, and evaluation of students. A report on these changes was presented to the Department for approval. One of the major changes proposed in the courses was the implementation of Information Literacy.

Changes were made in placement procedures in the Communication Skills courses (English 102, 203, 204, and 206). Thus, placement essays were administered only to students with SAT scores as the SAT does not have an essay component. Students placed on the basis of the TOEFL and AUB-EN (EEE) were placed on the basis of a global score as the grade for the essay is already included in the overall score.

B. FUTURE DEVELOPMENT

Deliberations with the ETS testing expert, Dr. Micheline-Chalhoub Deville of the University of Iowa, who visited campus last spring, raised some questions in our mind about the efficacy of the TOEFL or AUB-EN score as a tool for placement of students in various courses. This issue will be taken up during the coming academic year in order to try to find satisfactory solutions.

The program also hopes to continue the tradition of teacher training activities whether in-house or through inviting experts from the US and Europe in order to maintain quality and high standards of performance among the faculty.

N. Khoury
Coordinator

INTENSIVE ENGLISH (ENGLISH 100)

A. SUMMARY OF PROGRAMS

Since its inception in 2000, the Intensive English Language course (IEC) has been under continuous review; however, this year it was thoroughly revised and updated in an effort to better serve students' needs and at the same time to streamline the English language courses so that they are comparable to similar courses that are given in universities in the United States. The Ad Hoc Curriculum Committee met on several occasions, and together with the course director, drew out the guidelines for the modifications on the course objectives, the overall course structure, course regulations, the assessment and evaluation process, the promotion criteria, and the syllabus.

B. FUTURE DEVELOPMENTS

Following are the major recommendations:

1. **Restructuring the English 100 courses.** A decision regarding the number of instructors assigned to teach the two tracks needs to be made. Such a decision has major implications in that the fully integrated course that has been designed will need to be reorganized in such a way as to allow different instructors to teach *separate* skills.
2. **Reassessing the promotion requirements.** Instructors have complained that a 70 average is easily attainable and thus the vast majority (more than 80%) of the 100 students is directly registering for English 203. This chronic complaint has triggered several changes in the overall evaluation system-all of which have not proven very effective. The most recent recommendation is to make the exit grade 75 rather than 70; however such a major change cannot be implemented before it is approved by the department and it is clearly updated in the AUB catalog.
3. **Enhancing student motivation.** Maintaining a high level of student interest in the course is becoming a key issue. Indeed, it is difficult to engage students' interest for two or three hours on a daily basis, especially when instructors have little access to language labs, AV's, LCD's, and /or video rooms. Thus instructors have to rely on their personal ingenuity and experience to help them meet the ever-growing demands of their students. The major implication here is that *only seasoned* instructors can handle such a heavy teaching load
4. **Rescheduling final exams.** The final exams should be scheduled as early as possible. Unfortunately, they were scheduled on June 16 this term.

R. Iskandarani
Coordinator

UNIVERSITY PREPARATORY PROGRAM

A. SUMMARY OF PROGRAMS

The University Preparatory Program (UPP) is a new program aimed at providing university-bound students with the necessary English skills required for admission to AUB. In addition to the 25 hrs/wk of classes and computer lab hours, students may take SAT Preparation electives in Verbal and Quantitative Reasoning.

Syllabi were developed for two sections: low intermediate and intermediate in addition to two electives: SAT Verbal and SAT Quantitative Reasoning. Due to low enrollment, however, students were placed in one section.

Students' abilities were taken into consideration and changes made accordingly.

B. TEACHING

Student enrollment and breakdown

First Semester 16 students

Bahrain	1
Kuwait	1
Lebanon	6
Qatar	1
Saudi Arabia	5
Syria	1

Second Semester 11 students

Bahrain	1
Lebanon	4
Saudi Arabia	4
Syria	2

C. FUTURE DEVELOPMENT

1. The curriculum is to be revised in order to cater to incoming students.
2. Placement examinations are to be developed.
3. An item bank will be compiled for use in future midterms and finals.
4. Software will be bought for the new computer lab in order to better prepare students for the computerized TOEFL.

R. Shaaban
Director

DEPARTMENT OF GEOLOGY

A. SUMMARY OF PROGRAMS

Efforts on introducing new courses, upgrading and improving existing courses, and restructuring other course offerings seem to have produced positive results. Our student intake in the major (Geology and Petroleum Studies) has increased. The Geology Freshman courses continued to attract a large number of students, and the enrollment in our introductory elective courses (sophomore-level and above) has also increased. The establishment of the most needed rock crushing-pulverizing laboratory and the upgrading of our thin section preparation laboratory have been most useful for teaching and research (particularly in the areas of optical mineralogy, petrology, sedimentology and paleontology). The newly purchased Ground-Positioning Systems (GPS) allow for the training of our students to produce very accurate Geological maps in their field geology courses.

The Department has long suffered from the lack of a specialist in carbonate sedimentology. This is indeed a very significant area due to its implications for Petroleum Geology, and due to the geological make-up of Lebanon and the Eastern Mediterranean region in general. The successful recruitment of a carbonate sedimentologist will certainly strengthen our course offerings in this area. It will also allow, at last, for conducting proper research in this discipline, and for training and supervising graduate students in the field of carbonate sedimentology.

One of the highlights of this academic year has been the successful seminar given by Professor Farouk El-Baz (Director of the Remote Sensing Center, Boston University), early in the academic year (October 10, 2002). His seminar, which focussed on the use of satellite imagery and remote-sensing techniques for groundwater exploration, has been quite useful to the AUB Geology community, and to the Lebanese Geological community, which includes many Geologists working in the industry and in Government institutions (most of whom have attended the Seminar). The outstanding media coverage of the visit of Dr. El-Baz has been most useful both for the University and for the science of Geology. That seminar was sponsored by the Ziad Beydoun Memorial fund. This was also followed by another important seminar, presented on October 24, 2002, at our department (by Dr. Francisco Gomez). The latter seminar was on the tectonic make-up of the Middle East and its implications for earthquakes.

There has been a significant increase in the number of schools and school students visiting our Geological Science museum (which is now being visited annually by hundreds of school students, that come from various schools from the greater Beirut area and the surroundings). This has increased in recent years as geological science courses have recently been added to the school curricula. Since our Museum is also being used for teaching the freshmen-level courses, continuous efforts are being made to further improve the Museum display cabinets, and the various collections. Our efforts to strengthen the Geology component of the Jafet Library are continuing, in order to ensure that most, if not all, modern, up-to-date geology

textbooks are available to our students, and that some of the top international journals in Geological Sciences are available to our graduate students. Although the Department is understaffed, our efforts on the re-distribution of teaching loads of some faculty members, and the hiring of some strategic part-time faculty have enabled us to keep functioning very well and to further improve our course offerings.

B. PERSONNEL

1. Academic

Abdel-Rahman, Abdel-Fattah	Ph.D.	Professor (Chairperson)
Mokhtari Fard, Amir	Ph.D.	Assistant Professor
Khair, Kamal	Ph.D.	Lecturer
Haidar, Ali	Ph.D.	Lecturer
Khayat, Ziad	M.S	Instructor (PT)
Nassar, Philip	M.S.	Instructor (PT)
Oueida, Raghida	M.S.	Instructor (PT)

2. Non-Academic

Ijreiss, Maroun	Senior Technician
<i>Abdel Sater, Huda</i>	<i>Secretary</i>

3. Graduate Assistants

<u>Fall</u>	<u>Spring</u>
Doummar, Joanna	Doummar, Joanna
Ghanem, Rashad	Ghanem, Rashad

C. TEACHING

1. Number of Graduating Majors

Graduating B.S. Geology majors	3
Graduating B.S. Petroleum Studies majors	0
Graduating M.S. (Geology)	<u>1</u>
<i><u>Total number of graduating majors</u></i>	<i><u>4</u></i>

2. Number of Geology Majors

<i>Majors enrolled at graduate level</i>	<i>4</i>
Geol. & Petrl. Stds. Majors enrolled at senior level	4
Geol. & Petrl. Stds. Majors enrolled at junior level	7
Geol. & Petrl. Stds. Majors enrolled at sophomore level	<u>5</u>

3. Student Enrollment in courses

	<u>Summer 2001</u>	<u>SEM 1</u>	<u>SEM 2</u>	<u>Total</u>
Courses numbered 300 & above	0	13	9	22
Courses numbered 211-299	3	34	33	70
Courses numbered 200-210	0	57	95	152
Courses numbered below 200	16	154	199	369
Total	19	258	336	613

4. Number of credit hours offered

	<u>Summer 2001</u>	<u>SEM 1</u>	<u>SEM 2</u>	<u>Total</u>
Courses numbered 300 & above	0	18	6	24
Courses numbered 211-299	6	15	15	36
Courses numbered 200-210	0	10	13	23
Courses numbered below 200	3	21	21	45
Total	9	64	55	128

D. RESEARCH

Abdel-Rahman, Abdel-Fattah

1. Abdel-Rahman A.M., & Nassar P., Completed a study on the petrogenesis of the Cenozoic basaltic volcanism in northern Lebanon. In this study, the chemical characteristics of the lava flows, rare earth and isotope geochemistry enabled us to determine the exact nature of the mantle source, depth of magma segregation, and the evolution of this volcanic suite. One paper has been submitted for publication, and is currently under review (Work was funded by URB).
2. Abdel-Rahman A.M., & Saghyeh-Beydoun, M., Expanding our petrological and geochemical study on granites, marbles, and limestone from the archaeological site of Beirut City center (site code BEY 004) to include geochemical data for major and trace elements, as well as rare earth elements, and a detailed petrographic and mineralogical investigation. A second paper is in advance stage of preparation.
3. Abdel-Rahman A.M. & Kallas L., Continued to study the geochemistry, isotopic evolution, and petrogenesis of the Pliocene alkali basalts of southern Lebanon. Mantle source materials, depth of melt segregation, and the mantle plume – volcanism connection, as well as relationship between volcanic eruptions and tensional forces along transform faults are currently being investigated. Work is in progress.
4. Abdel-Rahman A.M., Working on the petrogenetic evolution, mineralogy, and age of some A-type peralkaline granitic complexes from central Eastern Egypt. These complexes seem to have developed during a phase of crustal relaxation and extensional tectonics. The age obtained on these complexes helps to determine the time of termination of the Pan-

African orogenic cycle, and the initiation of the extensional tectonic regime. The chemical data indicate their enrichment in strategic metals. Work is in progress.

Haidar, Ali

Haidar, A.T. & Hawi, J., Continued to work on calcareous nannofossil biostratigraphy of the Paleocene-Eocene succession of the Chekka Marls (N. Lebanon). The Chekka Formation (chalky-marly) is found in the low-lying region of the Lebanese coastal areas, the South Lebanon plateau, and the Bekaa. Its total thickness ranges from 100 to 500m in the Chekka area. The Chekka Formation is indicated on the most up-to-date geological maps as “Senonian? to Eocene”, with a broad age range (up to 50 million years). This research is a biostratigraphic study using calcareous nannofossils on the Ech-Chaqaa section. Work has been completed on this study and the results show that the age of this stratigraphic succession is Late Paleocene to Early Eocene, with the Paleocene – Eocene boundary indicated in the field. Lithologically, the harder carbonate beds increase their frequency of occurrence after the Paleocene – Eocene boundary. Finally, the sedimentation rate near the Paleocene – Eocene boundary appears to similar to that reported on the present day oceans.

Khair, Kamal

1. Continued to work on the tectonic and environmental hazard mapping in Lebanon and Western Syria using remote sensing and digital elevation data. This is a collaborative research activity with scientists at the National Council for Scientific Research (Lebanon), Cornell University (USA), and Damascus University (Syria). A further extension of this research activity has been launched with the installation and taking measurements on more than a dozen of GPS stations to observe the relative movement of tectonic blocks in Lebanon.
2. Continued to work on the geomorphology and tectonic setting of Hasbaya (possibly inactive) fault being one of the main five branches of the Dead Sea transform fault in Lebanon. A special emphasis is given to delineate the basaltic flows along the fracture zone of this fault-branch.

Mokhtari Fard, Amir

1. A. Mokhtari Fard; Depositional environment and stratigraphy in a shallow-marine, uplifting setting: the Jebel Terbol Miocene Basin, Lebanon. This research is based on sedimentological studies of thin sections from the Miocene limestone of the Jebel Terbol Formation and provides the first detailed sedimentological report of the Neogene deposits from northern Lebanon. Work in progress.
2. A. Mokhtari Fard; Esker Swarm in NE Poland: implications for glacial dynamics of the Late Weichselian Ice Sheets. Field studies and sedimentological fabric analysis of several sand and gravel outcrops in NE Poland provide a new set of data to reconstruct the glacial history of the Weichselian Ice Sheet in the area. The study will focus on the response of the ice sheet to the known Quaternary climatic signals. Field work in progress.
3. A. Mokhtari Fard; Reconstruction of ice sheet glacial dynamics based on sedimentologic studies of eskers: Preboreal Stockholm area, east central Sweden. Field studies and observations in more than 60 gravel pits in central Sweden provide an extensive data base. This will enable us to reconstruct the ice sheet response to the Preboreal climatic signals. The study also considers the mechanical impacts of a sudden drainage of the Malaren

subglacial lake in the Stockholm area to show the significance of the subglacial drainage systems on the dynamic behavior of ice sheets and the creation of various morphological features. Work in progress.

4. A. Mokhtari Fard; Geodynamics of the last drainage of Glacial Lake Agassiz through eastern outlet and the formation of esker systems in Northwest Ontario, Canada. This study is based on various field observations and sedimentological analysis of four lake sediment cores from NW Ontario. Preliminary investigations argue for a rare upstream high pressure subglacial water flow along the deeply seated lateral channels in the bedrock. Work in progress.

E. OTHER STAFF ACTIVITIES

Abdel-Rahman, Abdel-Fattah

1. Member of Senate.
2. Member of the FAS Advisory Committee.
3. Member of the Central Science Research Laboratory Committee.
4. Member of the AUB Committee on General Education (Task Team 12) for accreditation.
5. Member of the AUB Natural History Museum Committee.
6. Member of the Ad-hoc Committee (2001 – 2002) for the Penrose and Hitti Awards.
7. Chairperson of the Department of Geology
8. Academic advisor; Geology majors (sophomores, juniors, and seniors), and geology Graduate students.
9. Supervising two Geology graduate students.
10. Reviewed publications for international journals.
11. Gave numerous museum tours to hundreds of school students (from 25 schools) and to some university students.
12. Volunteer curator of the Geology Museum.

Khair, Kamal

Member of the Lebanese National Committee for Hydrology.

Haidar, Ali

1. Member of the Syrian - Lebanese Common Committee of Collaboration for Oil and Gas Exploration (The Higher Lebanese - Syrian Council) as expert in the Scientific Committee.
2. Expert appointed by the Lebanese Court in Geology.
3. Member of the International Nannoplankton Association.
4. Member of the International Geosphere-Biosphere Programme (IGBP), Lebanese Committee.

Mokhtari Fard, Amir

Gave two presentations (in August 2002) at the AMQUA 17th biannual meeting in Anchorage, Alaska.

F. PUBLICATIONS

Abdel-Rahman, Abdel-Fattah

1. **Abdel-Rahman, A.M.** & Nader, F. H. (2002). Characterization of the Lebanese Jurassic-Cretaceous carbonate stratigraphic sequence: A geochemical approach. *Geological Journal* **37**, 69 - 91.
2. **Abdel-Rahman, A.M.** & Saghie-Beydoun, M. (2002): A petrographical and chemical study on granites, marbles and limestone from the Cardo Maxima in Beirut City Centre (Site code BEY 004). *Archaeology & History in Lebanon* **15**, 42 – 51.

Mokhtari Fard, Amir

1. Mokhtari Fard, A. (2002): Intensive iceberg calving events: the dynamic effects of climate signals on the bedrock beneath decaying ice sheets; AMQUA 17th biannual meeting, Aug. 8-11, Anchorage, Alaska (Abstract).
2. Mokhtari Fard, A. (2002): Malaren Subglacial Lake: facts or fiction? AMQUA 17th biannual meeting, Aug. 8-11, Anchorage, Alaska. (Abstract).
3. Mokhtari Fard, A. (2002): The terrestrial and planetary occurrence and drainage of subglacial lakes: introduction to future studies. *Global and Planetary Change* **35**, 171-173.
4. Mokhtari Fard, A. (2002): Large dead-ice depressions in flat-topped eskers: evidence of a Preboreal jokulhlaup in the Stockholm area, Sweden. *Global and Planetary Change* **35**, 273-295.

Khayat, Ziad

Amin, I. & Khayat, Z. (2002): Groundwater mining in the Tripoli area, Lebanon. Geological Society of America, Abstracts with Programs.

G. FUTURE DEVELOPMENT

In the area of research, Geology faculty members continue to be engaged in a number of research projects, and continue to supervise graduate students. Research productivity has been gradually increasing during the past few years, and many of our graduate students are being able to complete their research projects in a timely fashion. Continuous up-dating of courses, re-structuring and co-teaching of some courses, along with cyclic curricular revision will ensure the strengthening of the Geology/Petroleum Studies majors. The Department of Geology is re-vitalizing its graduate courses in advanced oceanography and in advanced petroleum geology, along with some graduate hydrogeology courses.

Although we have been able to recruit a Carbonate Sedimentologist (who should join us in September 2003), we have not been able to attract a high quality researcher in the area of Hydrogeology. For the time being, we are able to fulfill our hydrogeology teaching needs by a very competent Hydrogeology instructor. However, this vital area continues to suffer, as we are still unable to develop a rigorous hydrogeological research program, or to provide graduate supervision for our graduate students who are interested in doing research in this discipline. We are hoping to be able to recruit a Hydrogeologist in the near future, in order to be able to fulfill our teaching and research needs.

The tectonic and geologic make-up of Lebanon, combined with the market demand in the area of Engineering Geology requires the re-vitalization of the Geophysics area and the development of the Engineering Geology discipline. Thus, the department is hoping to recruit faculty members in these two areas. We believe that the offering of some entrance scholarships, possibly financed by interest generated from our endowed funds, will lead to further improvements in enrollment in the Earth Sciences. The relative increase in the number of students majoring in Geology or Petroleum Studies, and the increase in enrollment in all of our freshmen courses, as well as in the introductory elective courses requires that the high quality teaching of our course offerings should be maintained and continuously improved.

A. Abdel-Rahman
Chair

DEPARTMENT OF HISTORY AND ARCHAEOLOGY

A. SUMMARY OF PROGRAMS

In response to the planned re-launching of the Ph.D. program, the Department advertized two new positions in the field of Modern Middle East and Classical Islamic History. After reviewing the applications, the Department unanimously recommended Elham Khuri-Makdisi for the first position and decided to postpone the advertisement for the position in Classical Islamic History.

During the academic year 2002-2003, the Department hosted Professor James Gelvin from the University of California Los Angeles, a specialist in the field of Modern Middle East History, who contributed six new courses on Nationalism, the Study of History, and the Modern History of Iran.

Under the auspices of the University's Visiting Scholar Program, the Department invited Professor P. Kyle McCarter from the Department of Near Eastern Studies at the Johns Hopkins University to deliver a public lecture on the "Origin of the Phoenician Alphabetic Script" and to lead a seminar for graduate students and interested faculty. Unfortunately, Professor McCarter had to cancel his visit because of the tensed regional situation.

As part of their service to the AUB community, all Department members were actively involved in the Institutional Self Study Task Teams and contributed to the final reports of their respective groups.

As part of its effort to continuously improve its teaching performance, the Department delegated Professors Helen Sader, Nadia el-Cheikh and David Koistinen to attend a workshop on Course Syllabus Preparation. The Department also organized in September 2002 and for the second consecutive year, a fieldwork course on the archaeological site of Tell el-Burak to teach Archaeology students modern scientific methods in excavating, documenting, and recording archaeological material.

The Department continues its contribution to the teaching and publication in the FAS as a whole through its involvement in teaching in the CS Program, the CAMES Graduate Program, and the publication of the Faculty's two scholarly journals, Berytus and al-Abhath.

B. PERSONNEL

1. Faculty Members

Abu-Husayn, Abdul-Rahim	Professor	Ph.D.
Butcher, Kevin	Professor	Ph.D.
Gelvin, James	Professor (Visiting)	Ph.D.

Sader, Helen	Professor	Ph.D.
Seeden, Helga	Professor	Ph.D.
Seikaly, Samir	Professor	Ph.D.
El-Cheikh, Nadia	Associate Professor	Ph.D.
Koistinen, David	Assistant Professor	Ph.D.
Meloy, John	Assistant Professor	Ph.D.
Chehab, Hisham	Instructor (part-time)	M.A.

2. Graduate Assistants

Badrashani, Kamal	2 nd . Semester	B.A.
Çakirlar, Canan	1 st . Semester	B.A.
El-Shawwa, Careene	1 st . Semester	B.A.
Kamel, Daisy		B.A.
Nabhan, Kanaan		B.A.
Neuner, Paul		B.A.
Shehadeh, Lana		B.A.
Shreih, Hisham	2 nd . Semester	B.A.

3. Non-Academic

Ni'meh, Saydeh	Secretary (History and Archaeology)	B.A.
Abu-Salman, Huda	Secretary (Berytus)	

C. TEACHING

1. Number of Graduating Majors

M.A.	2
B.A.	9

2. Number of Majors Enrolled

Graduate Students	14	(3 prospective Graduates)
Seniors	8	
Juniors	6	
Sophomores	4	
Special	1	

3. Student Enrollment in Courses

	1st. Sem.	2nd.Sem.	Total
Courses numbered 300 and above	15	17	32
Courses numbered 211 through 299	159	179	338
Courses numbered 200 through 210	71	30	101
Courses numbered below 200	<u>126</u>	<u>141</u>	<u>267</u>
	371	367	738

4. Number of Credit Hours Offered

Courses numbered 300 and above	21	21	42
Courses numbered 211 through 299	27	36	63
Courses numbered 200 through 210	9	3	12
Courses numbered below 200	<u>15</u>	<u>15</u>	<u>30</u>
	72	75	147

D. RESEARCH

Abu-Husayn, Abdul-Rahim

"The Subordination of the Hawran Druzes in 1910: The Ottoman Perspective", an article length study that focuses on the Ottoman State's view of the events of 1910 in Hawran and the political and administrative measures taken in response to these events. Research completed and paper is submitted for publication.

Butcher, Kevin

1. 'Coinage in Roman Syria'.
The page proofs have been edited and indices written. The book is at the typesetters (book to be published by the Royal Numismatic Society, London).
2. 'Roman Syria and the Near East'.
During the academic year 2002-2003 the final draft of this book was written. It is now at the publisher's (The British Museum Press) and is being typeset.
3. 'Small Change in Ancient Beirut. The Coins from BEY 006 and 045'.
The book (to be published as a volume of Berytus) is currently being typeset.
4. 'The Metallurgy of the Roman Silver Coinage'.
The project, which is a collaborative one with Dr. M. Ponting of the University of Nottingham, is a long-term project to determine the silver standards used for coinage under the Roman Empire, and to examine fiscal policies and to determine the extent to which any unified monetary system existed for the Roman world during this period. Papers outlining the results of analyses are being written.
5. 'Zeugma Archaeological Project'.
Study and publication of the coins excavated in the Packard humanities Institute funded project, summer 2000.
6. 'Tyre and its Hinterland Archaeological Survey'.
No further field work has been undertaken since the last report. Work continues on the material from the last season of field walking.
7. 'Information, legitimation or self-legitimation? Coin types and identity in Roman Syria'.
This paper is to be published in a volume entitled Coinage and Identity in the Roman Provinces (Oxford University Press).

El-Cheikh, Nadia

1. "Ibn Khaldun on Byzantium and the Franks." Forthcoming in proceedings of conference on Ibn Khaldun, Harvard University.
2. "Gender and Politics: The Harem of al-Muqtadir," forthcoming in *Gender and the Transformation of the Roman World: Women, Men and Eunuchs in Late Antiquity An12 After, 300-900 CE*, eds. L. Brubaker and Julia Smith (Cambridge University Press).
3. "Mourning and the Role of the Na'iha," forthcoming in *Identidades Marginales* (Madrid).

Gelvin, James L.

1. "The Modern Middle East: A Brief History with Documents" (Oxford University Press, 2004).
2. Editor, *Religion and Society in the Late Ottoman Empire*.

Koistinen, David

Further research and writing on my principal project, revising and expanding the doctoral dissertation, to be published as a monograph entitled *The Political Economy of Deindustrialization: Business, Labor, and the State During the Decline of the New England Textile Industry, 1920-1960*.

Meloy, John

1. "Imperial Strategy and Political Exigency: The Spice Trade and the Mamluk Sultanate in the Fifteenth Century." *Journal of the American Oriental Society*.
In press.
2. "Celebrating the Mahmal: The Rajab Festival in Fifteenth Century Cairo." *History and Historiography of Post-Mongol Central Asia and the Middle East*, ed. J. Pfeiffer and S. Quinn. Wiesbaden: Harrassowitz.
In press.
3. Review of *The Armenian Kingdom and the Mamluks*, by Angus Donal Stewart. *Speculum: A Journal of Medieval Studies*.
In press.
4. Review of *The Cambridge History of Egypt*, volume I: Islamic Egypt, 640-1517, edited by Carl F. Petry. *Journal of the American Research Center in Egypt*.
In press.
5. "Mamluk Intervention in the Economy during the Reign of Sultan Barsbay." An article on the Mamluk Sultanate's monopolies on domestic industries and the relationship of these interventions to the Sultanate's foreign trade.
In preparation
6. "Mamluks and Meccans."

A monograph investigating the political practice of the Mamluk state by means of an analysis of the political and economic relationship between the Mamluk Sultanate and the Meccan Sharifate. Under revision.

Sader, Helen

I. The Tell el Burak Archaeological Project

Name of project leaders:

Helen Sader: AUB

*Uwe Finkbeiner: University of Tübingen, Germany

*Margarete van Ess: German Archaeological Institute, Berlin

Name of funding Agencies:

URB- Hewlett grant

German Archaeological Institute

Gerda Henkel Foundation

Research partly completed.

This project aims at studying the formation process of ancient settlements on the Lebanese coast with special emphasis on the Iron Age. Its main objective is to try and explain the origin, growth and decay of these ancient cities as well as the settlement pattern within their territory, mainly during the so-called period of Phoenician expansion (9th-6th century BC). The Lebanese coastal settlements are known since the Early Bronze Age to be separate administrative, political and economic centers of geo-political entities including within their territory an agricultural hinterland and several fortified towns and hamlets. Their unprecedented growth and economic expansion in the Iron Age was never investigated and the internal structure of the Phoenician cities remains largely unknown. One of the project's main purposes is also to give AUB archaeology students an opportunity to be trained in fieldwork with competent specialists.

Second excavation season completed in September 2002. First preliminary report was published.

II. Ancient Lebanese Toponyms: an Essay on the Historical Topography of Lebanon in Pre-Hellenistic Times.

Name of Project leader:

Helen Sader, AUB

This projects aims at studying the land occupation and the settlement density and distribution in pre-Hellenistic Lebanon. The project includes three research phases:

1. The Primary Sources:

Collection of all ancient Lebanese toponyms found in cuneiform, hieroglyphic, and epigraphic sources of the third, second and first millennia BC, including the biblical text.

2. The Secondary Sources:

Collection and discussion of all the secondary literature related to the identification and location of these ancient toponyms.

3. The Historical Analysis of the Collected Data.

On the basis of both the collected textual material and the information available from surveys and archaeological excavations, we shall attempt to reconstruct the occupation of the territory, to locate the main centers, to trace ancient communication routes, in short, to establish the historical topography of pre-Hellenistic Lebanon and to present the results in a series of historical maps.

Phase 1 almost completed.

III. Published and Unpublished Phoenician Inscriptions in the Lebanese Directorate General of Antiquities Collection.

Name of Project Leaders:

Helen Sader, AUB

Paolo Xella, Institute of Phoenician and Punic Studies, Rome

Funding Agency

Italian Research Council (Consiglio Nazionale delle Ricerche)

The project aims at publishing a monograph which includes all the Phoenician inscriptions in the collection of the Lebanese DGA, in transliteration, translation and with a commentary. New photographs will also be provided. A substantial number of these Phoenician inscriptions is still unpublished. The projects includes 3 research phases:

1. Collection, examination, and photography of all Phoenician inscriptions in the DGA collection.
2. New collation of published inscriptions and decipherment of unpublished inscriptions.
3. Publication in the monographic series of the Italian Institute of Phoenician and Punic Studies.

Phase 1 is completed.

Articles in Press

1. Hélène Sader

Archäologie und Wiederaufbau: Das Beispiel Beiruts. To appear in the *Proceedings of the International Congress on "Die Stadt als Grossbaustelle"*. Berlin: German Archaeological Institute.

2. Hélène Sader

An inscribed Phoenician Weight from Byblos. To appear in the *Proceedings of the 5th International Congress on Phoenician and Punic Studies* held in Palermo-Marsala in October 2000.

3. Panorama du monde funéraire dans l'Orient phénicien. To appear in *El Mundo Funerario. Actas del III Seminario Internacional sobre Temas Fenicios*. University of Alicante.

Seeden, Helga

Project title:

Beirut - ancient ceramics and socio-economic change

(continuation);

Preparation for publication of the results of the post-excavation research

Research objectives:

Settlement formation processes; construction of complete ceramic type-series in Lebanon; investigation of environmental information. Electronic data recording (involving CAD & GIS applications) enabled the establishment of a database platform that facilitates the analyses of the otherwise unwieldy mass of data. Combining the presently completed entries for site stratigraphy, ceramics, glass, coins, and environmental data already shows that this project will provide an unprecedented and comprehensive understanding of the development of Beirut from pre-Hellenistic, Roman, Byzantine and early Islamic to Ottoman and Mandate period times. The results from Beirut also yield substantial new information about the Levant, the eastern Mediterranean, and the wider cultural and commercial context.

Several expert members of the project team are engaged in training AUB graduates in the latest methodologies of post-excavation analyses. This will teach them to prepare the excavation results for publication and presentation to the public, the ultimate aim of all archaeological excavation.

AUB graduates have completed five MA theses and one PhD dissertation (Free University Berlin) on material from the AUB Souk excavations.

Principal senior co-investigators (associated with AUB as members of the Leverhulme project team):

Dr. Dominic Perring* (University of York), Tim Williams* (English Heritage, London), Sarah Jennings* (English Heritage), Bryan Alvey* (computer programming), Dr. Kevin Butcher (numismatics).

Research Associates from abroad (Leverhulme team members):

Dr. Paul Reynolds (ceramicist);

Reuben Thorpe (stratigrapher);

James Rackham (palaeo-environmental and -zoological analyses) with a special grant from the *Council for British Research in the Levant* (Registered Office, The British Academy, London);

Dr. Michael A. Monk* (palaeobotanist, Cork University);

Dr. Barra O'Donnabhain (specialist in human skeletal remains, Dublin);

Louise Cooke* (English Heritage: expert in digital archiving of small finds).

Research Assistants:

Canan Çakırlar (palaeozoology and environment); Rima Mikati, MA (ceramics and lamps).

The granting bodies:

The Leverhulme Trust (1994-2002)

Following upon the AUB-Leverhulme Souks Excavation Project I (1994-1996, sites BEY 006/007/045), the present continuation of the AUB-Leverhulme Beirut Project II has been funded by a second grant from British Leverhulme Trust awarded in 1998 for three years, until 2001. Exceptionally, the Leverhulme Trust granted further funds to the project for 2001 and 2002.

The CBRL (=Council for British Research in the Levant) has granted funds to the palaeoenvironmentalist James Rackham to study the animal bones from the excavations. He is providing specialist training not otherwise available at AUB, to our graduate students.

Seeden, H.

Presenting realities behind immortal myths: "Troy - Dream and Reality".
(Research in progress).

Seikaly, Samir

1. 'Arab nationalism viewed from within.' a book-length documentary study, based primarily on the press, on the origins of Arab nationalism
2. Aspects of the modern history of the Coptic community in Egypt. This Research will lead to a book-length publication.
3. Work is proceeding on the editing of Mss arising from the CAMES Conference on Political Identity in the Arab East in the Twentieth Century. Included in that publication is my own study entitled 'Inventing Secularism: the Early Years.'

E. OTHER STAFF ACTIVITIES

Abu-Husayn, Abdul-Rahim

Delivered papers at the following international conferences:

1. "15th Symposium of the International Committee for Pre-Ottoman and Ottoman Studies," London School of Economics, London University, United Kingdom, July 2002.
2. "The Druzes: Realities and Perceptions", The Middle East Center, Saint Anthony's College, Oxford University, United Kingdom, July 2002.

Butcher, Kevin

1. "Coinage and Monetary History". Paper presented at the Seventeenth Oxford Symposium, Oxford, September 2002.

2. Worked one week in Turkey at Gaziantep Museum in November 2002 on the coins from the Packard Humanities Institute funded project, Zeugma Archaeological Project (ZAP).
3. A week in April 2003 in Oxford meeting with other members of Zeugma Archaeological project to discuss the publication of the results.

El-Cheikh, Nadia

Presented papers at international and regional conferences:

1. "Servants at the Gate: Eunuchs at the Court of al-Muqtadir," Middle East Studies Association Conference, Washington, November, 2002.
2. "Ibn Khaldun on Byzantium and the Franks," Perspectives on Ibn Khaldun and His Times, Harvard University, May , 2002.
3. "Research on Lebanese Women: Trends and Methods," Institute for Gender and Women's Studies, The American University in Cairo, April, 2002.

Gelvin, James L.

1. Guest Lecturer: German Institute for Oriental Studies (Beirut), University of Cyprus.
2. "Nation and State in the Mediterranean World," Conference: "Mediterranean Studies: Identities and Tensions," American University of Beirut.
3. "Collective Memory and Nationalist Narrative: Recounting the 'Syrian Experience' of the First World War," Conference: "World War I and Historical Memory in the Middle East," Oxford University.

Koistinen, David

Hewlett Junior Faculty Research Grant, Spring 2003.

Meloy, John

"On Sugar and Spice: Mamluk Intervention in the Economy." Paper presented at the 36th Annual Meeting of the Middle East Studies Association, Washington, DC. November 2002.

Associate Editor, Al-Abhath: Journal of the Faculty of Arts and Sciences.

Sader, Helen

125 JAHRE DEUTSCHER PALÄSTINA-VEREIN. Colloquium organized by the Deutscher Verein zur Erforschung Palästina. Schloss Rauischholzhausen, Giessen-Germany. November 22-24, 2002. Invited lecture on "The Phoenician Kingdom of Sidon in the Light of Recent Excavations on Tell el Burak-Lebanon"

Seeden, Helga

Editing:

Berytus Archaeological Studies volumes 45 & 46 (2001 & 2002) have been completed and are in press; vol. 47 (2003) is in preparation.

Seikalv, Samir

1. Visiting Scholar at the Centre of Middle Eastern and Islamic Studies, University of Cambridge in the fall of 2001 and Visiting Researcher at the Center for Muslim-Christian Understanding, Georgetown University from December-September 2002-2003.
2. Served as a principal reviewer at the Center for Arab Unity Studies, Beirut, for the publication of book written by DR. B. Nafi'
3. Currently a member of the Senate, a member of the Senate Committee on Faculty Affairs, the Senate Library Committee and the ad-hoc Senate Committee on Promotion Policy and Procedures.

F. PUBLICATIONS

Abu-Husayn, Abdul-Rahim

"The Long rebellion: The Druzes and the Ottomans, 1516-1697." *Archivum Ottomanicum*, 19(2001),pp.165-191.

Butcher, Kevin

1. 'The Coin Assemblages from BEY 006 and BEY 045', *ARAM* 13-14 (2001-2002), Pp. 227-236.
2. "Circulation of Bronze Coinage in the Orontes Valley in the Late Hellenistic and Early Roman Periods", in C. Augé, F. Duyrat (edd.), *Les monnayages syriens - Quel apport pour l'histoire du Proche-Orient hellénistique et romain?* , Actes de la table ronde de Damas, 10-12 novembre 1999, Beirut, 2002, 145-152.

El-Cheikh, Nadia

1. "In Search for the Ideal Spouse," *Journal of the Economic and Social History of the Orient* 45 (2002), pp. 179-196.
2. "Women's History: A Study of al-Tanukhi," *Writing the Feminine: Women in Arab Sources*, eds. Manuela Marin and Randi Deguilhem (London and New York, I.B. Tauris: 2002, pp. 129-148.
3. "Immunity," and "Iraq," *Encyclopedia of the Qur'an*, ed. Jane Dammen McAuliffe, (Leiden,: Brill, 2002), vol. 2, pp. 504-505 and 559-561.

Koistinen, David

"The Causes of Deindustrialization: The Migration of the Cotton Textile Industry from New England to the South," *Enterprise and Society* 3:3 (September 2002), pp.482-520.

Melov, John

"The Merits of Economic History: Re-reading Maqrizi's Ighathah and Shudhur," *Mamluk Studies Review*, vol. 7 no. 2 (2003), pp. 183 - 203.

Sader, Helen

2001

Uwe Finkbeiner and H el ene Sader

The Tell el-Burak Archaeological Project. A preliminary Report on the 2001 Season. *Bulletin d'Arch eologie et d'Architecture Libanaises* , volume 5: 173-194.

2003

Jens Kamlah and H el ene Sader

Im Mutterland der Ph onizier. Arch aologische Ausgrabungen auf Tell el-Burak, S udlibanon. *Welt und Umwelt der Bibel* 2/2003: 64-67

Seikaly, Samir

1. "Christian Contributions to the Nahda in Palestine Prior to World War I," *Bulletin of the Royal Institute of the Interfaith Studies* 2(2000), ii, 49-61. Translated into Arabic in *al-Nashra* 20 (Autumn 2001).
2. "Yusuf al-Nabahani and the West." In B. Heyberger, ed., *Les Europ eens vus par les Libanais   l' poque ottomane*, *Beiruter Texte und Studien* Band 74. (2002).
3. "Transcending Sectarian Strife: Nafir Suriyyah as Message and Medium." In T. Scheffler, ed., *Religion between Violence and Reconciliation*, *Beiruter Texte und Studien* 76 (2002).

G. FUTURE DEVELOPMENT

In response to the planned re-launching of the Ph.D. program, the Department met to assess its resources and needs and decided to recommend to the Dean the recruitment of new Faculty and the allocation of more adequately equipped space to accommodate new hires and new Ph.D. students. This expansion aims at enabling the Department to continue to offer its service courses and undergraduate program as well as a solid and credible doctoral program.

H. Sader
Chair

INSTITUTE OF FINANCIAL ECONOMICS

A. SUMMARY OF PROGRAMS

Successor to the Institute of Money and Banking, the Institute of Financial Economics (IFE) was established effective October 2001 as an independent research institute within the Faculty of Arts and Sciences to be engaged in research work, conferences, seminars and workshops with a focus on financial, monetary and international economics⁶.

In recent years and in tandem with the ongoing process of globalization, there has been a growing emphasis on the fields of financial, monetary and international economics. A major objective of the Institute is to promote research and other academic activities in these fields and thereby to build it up into a major research center in particular as concerns Arab and other developing economies. For this purpose the Institute will encourage collaborative work with appropriate national, regional and international organizations and research centers.

The principal goals of the Institute may briefly be outlined as follows:

1. To conduct, organize and sponsor high level research work related in particular to financial, monetary and international economics. Emphasis will be placed on policy-oriented empirical work pertaining to the Arab and other developing areas and collaborative team work will be promoted. Such research will prove beneficial for governments and organizations concerned with the design of economic and financial policies especially in the Middle East region.
2. To hold conferences, seminars, workshops and lectures on various topics related to the above areas. The first two types of activities will, among other things, bring together academicians, financial managers and experts and policy makers to analyze issues of relevance at the policy level.
3. To accommodate visiting scholars and experts for various intervals of time to conduct research at the Institute and to sponsor public lectures in financial, monetary and related fields.

B. PERSONNEL

Director: Makdisi, S.

Fellows: Aintablian, S.; Khalaf, I. J. (visiting)⁷; and Neaime, S.

Secretary : Gebara, Soumaya

⁶ For a brief introduction to the establishment of the IFE see last year's annual report

⁷ First semester.

Graduate Assistants: Awada, H; ; Bou Diab, S.; Eid, S; Hamdan, S ; Khaddage, A; Mahmoud, F; Maraachlian, H; Mourdaa, R.; Nassif,C; and Rifaat, G.

C. RESEARCH

Institute Fellows have been engaged in various research projects pertaining, among other subjects, to mergers and acquisitions, economic and financial policies, monetary unions, macroeconomic fluctuations, MENA stock markets, globalization and national development for individual faculty research, publications, participation in international conferences and other activities, see annual report for Economics Department.

D. OTHER STAFF ACTIVITIES

1. Public Lectures

The Institute initiated a series of public lectures by noted scholars and experts. For this academic year they included:

1. Professor Hadi Esfahani, University of Illinois, on “ A Re-examination of the Political Economy of Growth in the MENA Countries”, October 20, 2002.
2. Dr. Nadeem Shujaat, Citibank, on “Hedging of Interest Rate and Foreign Exchange Risk”, November 11, 2002
3. Dr. Douglas Smee, Citibank, on “Emerging Markets’ Risks”, November 14, 2002
4. Professor Richard Cooper, Harvard University, on “Prospects for the International Economy”, January 14, 2003
5. Professor Bina Agarwal, Delhi University, on:”Gender Inequalities: Neglected Dimensions and Hidden Facets”, January 23, 2003
6. Ms. Mervat Tellawi, executive secretary of ESCWA on “ESCWA’s Role in Economic and Social Development: A Future Outlook”. March 12, 2003.

In addition, a number of experts were invited to give talks to graduate students on various topics of relevance to their studies.

2. Lecture and Working Paper Series

As part of its role in making available on going research, within and outside the University related to economic issues of special concern to developing countries, the Institute recently initiated a series of guest lectures and working papers made available in print as well on its newly established website. While financial, monetary and international economic issues form a major part of the Institute’s work, its research

interests are not confined to these areas but extends to included other domains of relevance to the developing world in the form of general analyses or country specific studies.

During the second semester two lectures were printed and posted on the w Institute's website:

“A Re-examination of the Political Economy of Growth in the MENA Countries” by Hadi Salehi Esfahani and “Prospects for the World Economy” by Richard Cooper. Other issues to be included in the series are either under preparation or planned for the coming year.

E. FUTURE DEVELOPMENT

1. In addition to its own resources, the Institute will seek research funds from outside sources that will help it launch several research projects some of which will be carried out in collaboration with outside research centers and experts. For the coming year a few projects have already been planned and funding support identified.
2. Seminars and public lectures will be organized periodically dealing with major economic/financial issues facing Lebanon, the Arab World and developing countries more generally.

S. Makdisi
Director

DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE

I. MATHEMATICS

A. SUMMARY OF PROGRAMS

The academic year commenced with a change in the leadership of the Department due to the resignation of the former chairman.

A rather drastic and far reaching development was a vote by the Faculty of Arts & Sciences to separate Computer Science from the “Department of Mathematics and Computer Science” and turn it into an independent department. The Computer Science division was given a certain degree of autonomy under a coordinator.

A modest effort was put into organizing the department. Many of the jobs, that need to be performed on a periodic basis, now have reference electronic files e.g. (i) registration of degrees and programs; (ii) course descriptions (iii) course objectives, (iv) recruitment, (v) prizes, (vi) schedules, (vii) budget, and so forth. The department completed all necessary work to update the registration of its degrees by the New York Board of Education. The process of revising and improving programs, and introducing new teaching approaches continued; in particular, most courses now have, on file, explicit teaching objectives.

The graduate program in Mathematics was consolidated with the noticeable increase in number and quality of students and, with the offering of new graduate courses representing the state of the art in some topics. Parallel to the success of the graduate program, long-range planning, including the possible introduction of a Ph.D. program in mathematics, continued to occupy members of the department, and committees were formed to make necessary studies.

“Let’s talk mathematics” was introduced as an open forum where faculty could discuss mathematics. It proved to be a major success, with Faculty members participating enthusiastically in the posing and solving of mathematical problems; and also in supplying expository discussions on mathematical topics of common interest. Work is anticipated on collecting all topics covered in the forum.

Measures to ensure the smooth separation of Computer Science from the Department are being taken and it is anticipated that the new independent computer science department will see the light, October 1, 2003.

The number of students enrolled in Mathematics and Statistics was near 3500.

Demand for enrolment in the graduate program increased, and there was a parallel demand for more course offerings per semester. The Master's program in Mathematics is

expected to continue its expansion both in terms of number of students and number and variety of offered courses.

The Minor programs in Mathematics and Statistics continued to grow as more students opted for this minor.

B. PERSONNEL

Academic

Abi-Khuzam, Faruk	Ph.D.	Professor
Abu-Khuzam, Hazar	Ph.D.	Professor
Haddad, John	Ph.D.	Associate Professor
Hanna, Azmi	Ph.D.	Professor
Khuri-Makdisi, Kamal	Ph.D.	Assistant Professor
Lyzzaik, Abdallah	Ph.D.	Professor (Chairperson)
Monsour, Michael	Ph.D.	Assistant Professor
Nahlus, Nazih	Ph.D.	Associate Professor
Nikiel, Jacek	Ph.D.	Professor
Shayya, Bassam	Ph.D.	Assistant Professor
Barbara, Roy	Ph.D.	Lecturer (part time, spring)
Fuleihan, Najwa	M.S.	Instructor
Itani Hatab, Maha	M.S.	Instructor
Jabbour, Samira	Ph.D.	Lecturer (part time, fall)
Jurdak, Mona	M.S.	Instructor
Jaber, Sylvana	M.S.	Instructor (part time, spring)
Kobeisi, Mohamad	Ph.D.	Lecturer (part time)
Khachadourian, Zador	M.S.	Instructor
Saadeh, Ban	M.S.	Instructor (Part time)
Yamani, Husam	Ph.D.	Lecturer (Part time)

Non-Academic

Khalid Chatila	M.S.	System Administrator
Michael, Hamam	Ph.D.	System Administrator
Maalouf-Farah, Rima		Secretary

C. TEACHING

1. Number of Graduating Majors

Degree	Oct. 02	Feb. 03	June 03	Total
B.A. or B.S.	1	2	7	10
M.A. or M.S.	0	1	1	2

2. Number of Majors

Class	Mathematics	Statistics
Graduates	13	0
Seniors	9	2
Juniors	14	3
Sophomores	32	2
Total	68	7

3. Student Enrolment in Mathematics Courses

Courses	Summer 02	Fall 03	Spring 03	Sub-Total
Courses numbered 300 & above	2	26	29	57
Courses numbered 211 thru 299	44	389	287	720
Courses numbered 200 thru 210	127	1229	949	2305
Courses numbered below 200	22	210	175	407
Total	195	1854	1440	3489

4. Student Enrolment in Statistics Courses

Courses	Summer 02	Fall 03	Spring 03	Sub-Total
Courses numbered 211 thru 299	13	62	36	111
Courses numbered 200 thru 210	28	145	122	295
Total	41	207	158	406

5. Number of Credit Hours Offered in Mathematics Courses

Courses	Summer 02	Fall 03	Spring 03	Sub-Total
Courses numbered 300 & above	0	12	15	27
Courses numbered 211 thru 299	6	24	18	48
Courses numbered 200 thru 210	9	12	15	36
Courses numbered below 200	3	6	6	15
Total	18	54	54	126

6. Number of Credit Hours Offered in Statistics Courses

Courses	Summer 02	Fall 03	Spring 03	Sub-Total
Courses numbered 211 thru 299	3	9	12	24
Courses numbered 200 thru 210	3	6	6	15
Total	6	15	18	39

D. RESEARCH

Abi-Khuzam, Faruk

1. "A class of non-homogeneous singular integrals in \mathbb{R}^n ", paper submitted for publication.(With B.Shayya).
2. Meromorphic functions of several complex variables. A study of the growth properties of such functions is made, when the order is a positive integer. Research completed and a paper is being written.

Abu-Khuzam, Hazar

1. H. Abu-Khuzam and Howard Bell, " On rings with a condition on non-periodic elements". We introduce the notion of c^* - rings which are generalizations of rings having at most finitely many non-central elements. We study the structure of certain classes of these rings. Research Completed and a paper is accepted for publication in "*Results in Mathematics*".
2. H. Abu-Khuzam and A. Yaqub, "Rings with certain constraints on zero divisors", (In Progress).

Haddad, John

One main objective in time series analysis is fit an approximate model to data that leaves a set of residuals (errors) which are tested to follow a "White Noise" sequence. This is usually done through adding the squares of a finite number of primary quantities such as the sample autocorrelation sequence and it may be compared to a chi-square random variable. In this project, we take a new look at the primary quantities and consider the Maximum Likelihood estimation method of these auto-correlation which they turn out to have more powerful goodness of fit test than the usual sample autocorrelations. This research project is still in progress.

Khuri-Makdisi, Kamal

1. Linear algebra algorithms for divisors on an algebraic curve, original work in the area partially funded by Clay Mathematics Institute). Final version of paper accepted by Mathematics of Computation in the fall.
2. Asymptotically fast algorithms for Jacobians on a general curve,(significant strengthening of the result in 1, with new ideas leading to future research directions). Research completed, hope to write and submit paper soon.
3. Using special values of modular forms to find equations of modular and Shimura curves, initial study of preliminary ideas inspired by item 2 above.
4. An exact sequence in the representation theory of $SL(2)$, paper accepted by Communications in algebra in the fall.
5. Partial generalization of the results in 3 to $SL(n)$, research completed, hope to write and submit paper soon.
6. Analytic properties of certain L-series attached to automorphic forms on orthogonal groups, ongoing exploratory stage.

7. Counting abelian surfaces with quaternionic multiplication, joint work with Jeff Achter of Columbia University, on the back burner for now.

Lyzzaik, Abdallah

1. A. Lyzzaik and A. Lecko*, “*A note on univalent functions starlike with respect to a boundary point,*” J. Math. Anal. Appl., in Press.
2. A. Lyzzaik, “*Univalent Harmonic mappings of Annuli,*” The paper is intended to present several aspects of univalent harmonic functions of annuli; in particular, boundary functions, existence and uniqueness theorems, and the geometry of their analytic and co-analytic parts. It also considers univalence criteria for Dirichlet solutions in annuli of generalized types homeomorphisms as boundary functions. To be submitted soon.
3. A. Lyzzaik, “*On uniqueness of univalent harmonic mappings with prescribed dilatations,*” The uniqueness question of harmonic mappings with a prescribed dilatation has been for more than half a century a central problem in the study of harmonic mappings. Some encouraging results have already been obtained in the direction of solving that problem. Research in its exploratory stage.
4. A. Lyzzaik and D. Bshouty*, “*On a conjecture by B.Crofoot and D. Sarason regarding the existence of some polynomials*”; the article is intended to investigate whether for every $n > 1$ there exists a $n-1$ points and a polynomial of degree n that maps every point to its conjugate and has a zero derivative at each point. Research in its initial exploratory stage.
5. A. Lyzzaik and D. Bshouty*, “*On the valency of a class of harmonic mappings*”. Recently D. Khavinson and G. Swaitek proved a conjecture by T. Sheil-Small and A. Whilmhurst regarding the valency of a class of harmonic mappings. It is intended to show that the sharpness of their results. Research in its exploratory stage.

Monsour, Michael

Recurrence Relations for subsets of Partitions: From showing an equivalence relationship between the unrestricted partition function and partitions into distinct integers, has led to pseudo-recurrence relations for the partition function and an interpretation and an asymptotic expression of the coefficients for the expansion of an infinite product.

Nahlus, Nazih

1. N. Nahlus, “*On extensions of representations of solvable Lie algebras*”, the paper is being revised.
2. N. Nahlus, “*Inverse limits of Lie algebras*”, research in final stages.
3. N. Nahlus, “*Inverse limits of compact semi-topological groups with applications to algebraic groups and vector spaces*”, research in final stages.
4. N. Nahlus, “*Kostant Theorems and pro-affine algebraic groups*”, research in middle stages.
5. N. Nahlus “*On the dimension theory of modules*”, research in early stages.

Nikiel, Jacek

1. Concerning continua that contain no metric subcontinua, with D.Daniel*, L.B.Treybig, Tuncali* and E.D.Tymchatyn*, a paper was accepted for publication in the Houston Journal of Mathematics.
2. On perfectly normal compacta, with D.Daniel*, L.B.Treybig, H.M.Tuncali* and E.D.Tymchatyn*, a paper was submitted for publication.
3. On Suslinian continua, with D.Daniel*, L.B.Treybig, H.M.Tuncali* and E.D.Tymchatyn*, a paper was submitted for publication.
4. Convex metrics on locally connected spaces, with H.M.Tuncali* and E.D.Tymchatyn*, a paper is being revised.
6. Lifting paths on quotient spaces, with D.Daniel*, L.B.Treybig, H.M.Tuncali* and E.D.Tymchatyn*, a paper is being written.

Shayya, Bassam

1. B. Shayya, "Adjoint restriction estimates and scaling on spheres", accepted for publication in the Proceedings of the American Mathematical Society.
2. F. Abi-Khuzam and B. Shayya, "A class of non-homogeneous singular integrals in R^n ", submitted for publication.

E. OTHER STAFF ACTIVITIES

Abi-Khuzam, Faruk

1. Served as Chair of the department of Mathematics & Computer Science.
2. Served as Co-Chair of Task Team # 6, Integrity.
3. Served as member of the Advisory Committee in FAS.

Abu-Khuzam, Hazar

1. Reviewed the following articles for "Mathematical Reviews" of the American Mathematical Society:
 - a. Gupta, C. K. and Krasilnikov, Alexei., "A simple example of a non-finitely based system of polynomial identities", Communications in Algebra 30(2002), no.10, 4851-4866. (Oct. 2002)
 - b. Di Vincenzo, Onfrio Mario and La Scala, Roberto, "Weak polynomial identities for $M_{1,1}(E)$ ", Serdica Math. J. 27(2001), no.3, 233-248. (Feb.2003)
2. Freshman Academic Advisor
3. Academic Advisor (Mathematics students).
4. Member of Master's Thesis Committee

Haddad, John

1. Academic Advisor for Statistics student
2. Academic Advisor for Sophomore Computer Science students
3. Member of the Administrative Committee
4. Member of the Curriculum committee

Khuri-Makdisi, Kamal

1. URB Faculty long-term development grant, June 30-July 20, 2002. Attended summer school and research program on automorphic forms at Park City Mathematics Institute, Utah.
2. Hewlett junior faculty grant. Took a semester of leave from teaching and pursued research projects listed above.
3. Two conferences and departmental visit March 26-April 7, 2003:
 - a. Attended conference on automorphic forms in honor of Steve Rallis, Ohio State University
 - b. Visited the mathematics department at Ohio State for nearly a week, and gave a seminar lecture: "Asymptotically fast algorithms for Jacobians of general curves"
 - c. Attended American Mathematical Society (AMS) Sectional meeting at Indiana University, Bloomington; presented talk "Asymptotically fast algorithms for Jacobians of general curves" in Special Session on Cryptography and Computational and Algorithmic Number Theory. Attendance at AMS meeting was funded by URB Faculty short-term development grant.
4. Gave a short presentation on computations in modular curves in May 2003 as part of a workshop on mathematical modelling and numerical computing held at CAMS under the SARIMA Lebanon research program (organized by Nabil Nassif).
5. Refereed an article for Mathematics of Computation the school has been announced on the web.
6. Coordinated writing and design of CAMS' new brochure, in collaboration with the assistant to the director of CAMS and the university publications office.
7. Served as one of the FAS representatives on the newly formed AUB Web Oversight Committee.

Lyzzaik, Abdallah

1. Member of the University Senate.
2. Member of the Senate Committee for the study of the report of the Task Force for promotion.
3. Member of the Curriculum Committee of the Faculty of Arts and Sciences.
4. Chairperson of the Academic Development Committee.
5. Associate member of the Center of Advanced Mathematical Studies.
6. Academic Advisors for Juniors, Seniors and Graduate students of the Department of Mathematics and Computer Science.
7. Refereed three articles for the Journal of Mathematical Analysis and Applications (JMAA) and an article for the Journal of the London Mathematical Society.
8. Reviewed several articles for Mathematical reviews.
9. A Master's theses advisor for Miss Marwa Hourri and Miss Manal Salam.

Monsour, Michael

1. Serving as student advisor.
2. Taught Summer Session 2002.

Nahlus, Nazih

1. Served as the Department Representative (Liaison) for Library Affairs.
2. Academic Advisor for Sophomore Computer Science students.
3. Master's thesis Advisor of Miss Silvana Jaber; thesis entitled "Free modules over commutative Rings" (defended on Feb. 28, 2003).
4. Doctrate thesis Advisor (till Jan. 2003) of Mrs. Nadine Ghandour at Damascus University; thesis entitled "Inverse limits of Lie algebras".
5. Gave the Graduate Tutorial Course MATH 301 to Miss Manal Salam.
6. Refereed 2 promotion cases at Damascus University.
7. Participated in "Let's talk Math" (a weekly departmental meeting)

Nikiel, Jacek

1. Gave a talk "Perfectly normal compacta" at a topology seminar at the University of Wroclaw, Poland, in September 2002.
2. Had served as a reviewer for the Mathematical Reviews (one feature review).
3. Had served as a member of the AUB Senate.
4. Had served as a member of the Accreditation Task Team 3.
5. Had served as an academic advisor for undergraduate mathematics and computer science students.

Shayya, Bassam

1. Advisor for Computer Science sophomore and junior students.
2. Participated in the workshop on course learning outcomes and educational objectives.

F. PUBLICATIONS

Abi-Khuzam, Faruk

F. Abi-Khuzam and B. Shayya, "A sharp norm inequality for non-isotropic distance functions on \mathbb{R}^n ", *Mathematical Inequalities and Applications*, 5 (2002), no. 3, 361-368.

Haddad, John

1. **Haddad, J.N.**, and Nimah, M.N. (2003), "Water quality monitoring of a watershed." *River Basin Management*, Edited by C.A. Brebbia, WIT press, South Hampton and Boston, PP: 231-237

Lyzzaik, Abdallah

A. Lyzzaik, D. Bshouty*, W. Hengartner* and A. Weitsman* “*Valency of harmonic mappings onto bounded convex domains,*” this paper provides a negative answer to a conjecture of T. Sheil-Small regarding the valency of harmonic mappings onto bounded convex domains. *Computational Methods and Function Theory J.(CMFT)*, 1(2001), no.2, 479-499.

Nahlus, Nazih

1. N. Nahlus, “On observable subgroups of complex analytic groups and algebraic structures on analytic homogenous spaces”, *Journal of Lie Theory* **12** (2002), no. 2, 495—502.
2. N. Nahlus, “Lie algebras and separable morphisms in pro-affine algebraic groups”, *Proceedings of the American Mathematical Society*, **131** (2003), no. 5, 1321-1327.

Shayya, Bassam

1. Abi-Khuzam and **B. Shayya**, "A sharp norm inequality for non-isotropic distance functions on \mathbb{R}^n ", *Mathematical Inequalities and Applications*, 5 (2002), no. 3, 361--368.
2. Shayya, "Nonisotropic strongly singular integral operators", *Transactions of the American Mathematical Society*, 354 (2002), no. 12, 4893--4907.

G. FUTURE DEVELOPMENT

The Department will continue to refine its graduate and undergraduate programs in Mathematics and Statistics. Course description and course teaching outcomes must be refined further. The departmental requirements in Analysis must be revisited. At present, a student stands the risk of doing no real analysis after the sophomore year. New courses in Geometry and differential Topology can be expected to be introduced. Work on the Ph.D. program should continue with a view of coming up with a proposal by the end of 2004. “Let’s talk mathematics” should continue to be the forum for mathematical discussion and interaction. In addition the Colloquium Lecture series in mathematics and statistics must be revived. Two kinds of lectures could be offered. One expository but at the highest level of clarity, scope and inspiration. The other more specialized and related to current ongoing research.

F. Abi-Khuzam
Chair

II. COMPUTER SCIENCE

A. SUMMARY OF PROGRAMS

This year has witnessed a major step in the development of the computer science (CMPS) program at AUB. The Faculty of Arts and Sciences has voted to establish the “Department of Computer Science” as of the Fall of 2003-2004 to house this program. This step, which is administrative in nature, reflects the growth that the CMPS program has witnessed in recent years. The number of students majoring in CMPS has reached 552, the number of faculty members has become 11 full-timers and 6 part-timers, making in total about 14 full-time-equivalent lines. In addition, a new system administrator has been recruited from Australia, who brings with him 13 years of experience in system administration and management. The size of the operation in terms of credit hours offered, including service courses to other disciplines, constitutes about 5.1 % of the overall operation at AUB.

This year has also witnessed the graduation of the first student from the M.S. program in computer science. This program, which has been established three years ago, continues to grow. We currently have about 37 graduate students, and for the first time, the number of applicants for admission for next Fall has reached 65 applicants. Most of the graduate students have been appointed as graduate assistants. The graduate assistants have been supporting lab supervision, and assisting professors in their course work (grading homework, lab projects, etc...)

Faculty members in computer science have maintained their productivity in research, in teaching, in participating in conferences and other scholarly activities, and in contributing services to AUB and to the community, as evident from the sections below.

The CMPS program continues to offer services to various programs and disciplines at AUB through its minor in CMPS, and the minor in computational sciences. The CMPS program continues to offer the computer literacy courses CMPS 206 and 209, which provide basic computer knowledge and technical skills.

B. PERSONNEL

Academic

Al-Jadir, Lina	Ph.D.	Assistant Professor
Beydoun, Ghassan	Ph.D.	Assistant Professor
Boulos, Jihad	Ph.D.	Visiting Assistant Professor
Dargham, Joumana	Ph.D.	Assistant Professor
Jureidini, Wadi'	Ph.D.	Associate Professor (Coordinator)
Karam, Marcel	Ph.D.	Assistant Professor
Keyrouz, Walid	Ph.D.	Assistant Professor
Nasri, Ahmad	Ph.D.	Professor
Saba, Walid	Ph.D.	Visiting Associate Professor
Sidani-Bohsali, Hayat	M.S.	Instructor
Mukaddam, Wassim	B.S.	Assistant Instructor
Al-Ladan, Mohammad	Ph.D.	Lecturer (Part time)

Nassif, Nabil	Ph.D.	Visiting Professor (Part time)
Taha, Faleh	Ph.D.	Lecturer (Part time)
Hajjar, Amjad	Ph.D.	Lecturer (Part time)
Kobeissi, Mohamad	Ph.D.	Lecturer (Part time)
Jaber, Silvana	M.S.	Instructor (Part time)

Non- Academic

Hamam, Michael	M.S.	System Administrator
Maalouf-Farah, Rima		Secretary

C. TEACHING

1. Number of Graduating Majors

Degree	Oct. 02	Feb. 03	June 03	Total
B.S.	08	15	93	116
M.S.		01		01

2. Number of Majors

Class	Computer Science
Graduates	37
Seniors	163
Juniors	166
Sophomores	186
Total	552

3. Student Enrolment in Computer Science Courses

Courses	Summer 02	Fall 03	Spring 03	Sub-Total
Courses numbered 300 & above	2	65	67	134
Courses numbered 211 thru 299	129	1035	1230	2394
Courses numbered 200 thru 210	35	709	515	1259
Total	166	1809	1812	3787

4. Number of Credit Hours Offered in Computer Science Courses

Courses	Summer 02	Fall 03	Spring 03	Sub-Total
Courses numbered 300 & above		9	15	24
Courses numbered 211 thru 299	17	96	107	220
Courses numbered 200 thru 210	6	27	27	60
Total	23	132	149	304

D. RESEARCH

Al-Jadir, Lina

1. "Storage and Retrieval of XML Documents Using Object Databases". As XML (eXtensible Markup Language) has become an emerging standard for data representation and data exchange over the World Wide Web, it has gained attention

in the database community. Recently, researchers have addressed the problem of storing XML data and processing XML queries using traditional relational database systems. In this project, we will show that using object-oriented database systems can be a more natural and efficient solution. Our method converts first a document's DTD (Document Type Definition) to an object database schema and then converts the XML document to an object database instance. It allows also to retrieve back the DTD and the document from the database without loss of information. We will implement our method in the object-oriented prototype database system F2. : Research in progress. Funded by a URB research grant.

2. "Integrating Association Rule Mining Algorithms with the F2 OODBMS", *accepted, to appear in Proc. 14th Int. Conf. on Database and Expert Systems Applications*, DEXA'03. Will be published by Springer, Lecture Notes in Computer Science.

Beydoun, Ghassan

1. "Incremental knowledge acquisition in Knowledge Management."
This project has started two years ago during a visit to UNSW. It was merged during 2002 with a previous project titled "Extending monitoring of incremental knowledge acquisition to monitoring incremental modeling", with the view that knowledge management can be carried out as a modeling task done by many experts collaborating. This work is still in progress. (with Roderigo Martinez*, Achim Hoffmann*).
2. "Expert systems building CAD tools using incremental knowledge Acquisition" A prototype system is to be tested during this summer. We applied for funding through a URB group application. A paper is being prepared for an international journal which will describe the system development and any results we obtain this summer. (With R. Hamade)
3. "Arabic Spoken Digit Recognition Using Machine Learning"
(With S. Kiriakos, W. Rifaii*)
This project is in progress. S. Kiriakos has advanced well in this project. We have already obtained good recognition rates. The work should be published in the coming year.

Jureidini, Wadi'

1. The computational aspects of non-conforming finite element methods are considered for the Stokes and Navier-Stokes problems. These methods use piecewise solenoidal vector fields. Developing such methods for the evolution problems is investigated. *In progress*
2. Frameworks abstracted from software applications. Frameworks and design patterns in the context of a variety of software application areas are investigated. The application areas considered are those in which we have had practical experience, especially with design matters. The practicality of using some CASE tools in this respect is also addressed. *In progress*.

Keyrouz, Walid

1. "Parallel implementation of genetic algorithms for solving the geometrically-constrained facilities layout problem." The project is at an advanced stage and a publication is in preparation. (with Dr. Haidar Harmanani*)

2. "Parallel recursive subdivision techniques". This project is due to finish at the end of the summer. Funded by a URB grant. (With Dr. Ahmad Nasri.)

Nasri, Ahmad

1. "T-spline and T-NURCCS," To appear in ACM SIGGRAPH 2003. Supported by NSF grant. (With Sederberg T.*, Zheng J.*, Bakenov A.*)
2. "Deformation of Catmull-Clark Subdivision Surfaces for Computer Graphics." To appear in the Proceeding of the ACS/IEEE International Conference on Computer Systems and Applications, Tunis, Tunisia, July 14-18, 2003. (With A. Abbas*)
3. "Synthesizing Data Structure Requirements from Algorithm Specifications: Case Studies from Recursive Subdivision for Computer Graphics and Animation." To appear in the Proceeding of the ACS/IEEE International Conference on Computer Systems and Applications, Tunis, Tunisia, July 14-18, 2003. (With A. Abbas*)
4. "Polygonal Subdivision Curves for Computer Graphics and Geometric Modeling." To appear in Advances in Geometric Modeling , Edited by M. Sarfraz, John Wiley, 2003.
5. "Skinning Subdivision Catmull-Clark Surfaces." Submitted for publication. Funded by LNCSR. (With A. Abbas*, H. Hasbini)
6. "Parallel recursive subdivision techniques". This project is due to finish at the end of the summer. Funded by a URB grant. (With Dr. W. Keyrouz)
7. "Lofted Subdivision Surfaces and Its Applications in Computer Graphics and Geometric Modeling." Funded by LNCSR. 2002-2004. (With A. Abbas*)
8. "Advanced Manipulation Tools for Non-Uniform Rational Subdivision, Surfaces." the City, University of Hong Kong, in progress. (With Ma Weyin*)
9. "Degree reduction of Bezier curves using Dual space."(With Kim*, T. and Farin*,G.)
10. "A G2 subdivision scheme." (With Sederberg, T., Zheng, J. and Hasbini, I.)
11. "NURBS from the pioneers." Book review. Computer-Aided Design Journal, 121-122, (35) 2003.
12. "Subdivision surfaces with feature curves and cross curvature, patent in preparation. (With Malcolm Sabin.*)
13. "Augmented Heritage." In collaboration with several partners including MIRA Lab, University of Geneva, Germany, Greece, Egypt.
14. "Solid Modeling by Recursive Subdivision." In progress. Submitted a proposal to URB.

Saba, Walid

1. "The Pragmatics of Negation and Quantifier Scope." This is extension of an algorithm for resolving quantifier scope ambiguities that was published in 2001 in *Studia Logica – the International Journal of Symbolic Logic*. The algorithm can now handle negation, which was still an open problem. Submitted to the Journal of Artificial Intelligence. (first submission)
2. "Linguistic Analysis in Ontological Design." This article presents a general approach to ontological design that is based on ideas from linguistic analysis and type theory in programming languages. Preliminary results of this work were published in the *15th Int. Conference on Industrial & Engineering Applications of*

Artificial Intelligence & Expert Systems - IEA/AIE-2002 and appeared in Springer Lecture Notes in Computer Science, Vol. 2358. Submitted to *Data & Knowledge Engineering*, Elsevier (Under revision as per the reviewers and editor's suggestions, originally Submitted in June 2001 and is expected to appear in 2003).

3. "Agents with an Attitude." This article presents a major extension to an Agent system for E-Commerce application that was previously published in the 2001 Intelligent Agent Technology conference held in Japan, and appeared in In N. Zhong, J. Liu, S. Ohsuga and J. Bradshaw (Eds.), *Intelligent Agent Technology - Research and Development*. Submitted to KAIS – *Journal of Knowledge and Information Systems*, Springer. (first submission)

E. OTHER STAFF ACTIVITIES

Al-Jadir, Lina

1. Presented the paper "Using the F2 OODBMS to Support Incremental Knowledge Acquisition", at the 6th Int. Database Engineering and Applications Symposium, IDEAS'02, Edmonton (Canada), 2002.
2. Presented the paper "F2/XML: Storing XML Documents in Object Databases", at the 8th Int. Conf. on Object-Oriented Information Systems, OOIS'02, Montpellier (France), 2002.
3. Member of the program committee of the 9th Int. Conference on Object-Oriented Information Systems, OOIS, Geneva (Switzerland), 2003.
4. Member of the program committee of the 5th Int. Conference on Enterprise Information Systems, ICEIS, Angers (France), 2003.
5. Presented a seminar at the Center for Advanced Mathematical Sciences (CAMS), AUB, entitled "F2/XML: Storing XML Documents in Object Databases" (October 2002).
6. Member of the FAS Library Committee.
7. Member of the organizing committee of the Int. Conference "Assessing Models of Universities for the Arab World", organized by AUB, to be held in Beirut in October 2003.
8. Advisor, M.Sc. thesis for Fatmé El-Moukaddem, "Managing XML Document Schema Evolution", graduated on Summer 2001-2002 (the first M.Sc. thesis in Computer Science at AUB).
9. Advisor, M.Sc. thesis for Wassim Mukaddam, "Using Incremental Updating to Maintain Discovered Association Rules in Large Databases", expected to graduate on Summer 2002-2003.
10. Academic Advisor, computer science students.
11. Marshal in the AUB 133rd Commencement Ceremony (July 2002).

Beydoun, Ghassan

1. Member of the program Committee of the International Conference on Artificial Intelligence and Applications, AIA-2003, Spain, 2003.
2. Member of the program committee of the 5th Pacific Rim Knowledge Acquisition Workshop, PKAW2002, Japan.
3. Attended the 2003 International Conference on Modeling, Identification and Control, MIC 2003, Austria.
4. Attended the 2002 Artificial and Computational Intelligence, ACI 2002, Japan.

5. Member of FAS *Research Committee* and the FAS *Student Affairs Committee*
6. Advisor for the faculty student body, USFC;
7. Advisor for the department student society, The Circle
8. Academic advising for computer science students
9. Master thesis supervisor for students S. Kiriakos and G. Manasseh

Jureidini, Wadi'

1. Coordinator of the computer science program
2. Academic Advisor, graduate computer science students
3. M.S. thesis committee member for 2 students
4. Board Member, Professional Computer Association, Beirut, Lebanon

Nasri, Ahmad

1. A/Chair of the FAS Research Committee, 2003
2. Member of the Fact-finding team of Al-Manah hospitals, Dhamam, Saudi Arabia, REP Project, AUB, 2003.
3. Member of the Task Force to develop a New Science, Technology and Innovation Policy in Lebanon. Supported by Lebanese Council for Scientific Research, ESCWA, World Bank, 2003.
3. Freshmen Advisor at FAS
4. Computer Science Advisor (Junior, senior)
5. Participated in the Faculty seminar on Learning and Teaching Excellence, March 12 -May 14, 2004, American University of Beirut, supported by AUB Mellon Grant on Improving Undergraduate Teaching Excellence
6. Member, Editorial Board, The International Journal of Shape Modeling
7. Member, Editorial Board, The Lebanese Scientific Journal
8. Member, Editorial Board, The
9. Member, Editorial Board, The International Journal of CAD/CAM, Japan
10. Member, Board of Directors, Lebanese National Council for Scientific Research
11. Refereed papers for the following:
 - a. The Journal of Visual Computer,
 - b. The Journal of Computer Aided Design,
 - c. First International Workshop on Interactive
 - d. Rich Media Content Production: Architectures, Technologies, Applications, Tools, October 9-10, 2003, Lausanne, Switzerland
 - e. Pacific Graphics International Conference 2003 (Canada)
 - f. ACM Special Interest Group on Computer Science Education 2003
 - g. Eurographics Symposium on Geometry Processing, Aachen, Germany, 23-25 June, 2003
 - h. The 16 International Conference on Computer Animation and Social
 - i. Agents, (CASA'2003), Rutgers University, May 7-9, 2003
 - j. Computer Graphics and Geometric Modeling CGGM'2003
 - k. Montreal, Canada, May 18-21, 2003
 - l. Shape Modeling International, 2003, Beijing, China
 - m. ACM Solid Modeling 2002, Germany
12. Presented a Talk at:
 - a. Workshop on Mathematical Modeling and Numerical Computing, CAMS, AUB, May 17, May 24, 2003

- b. Modeling by Constraint Subdivision Surfaces, King Fahd University, Dhamam, 2003.
 - c. Curve Interpolation in Subdivision Surfaces for Computer Aided Geometric Design and Computer Graphics, Faculty of Engineering and Architecture, January, 2003.
13. Member of the Program Committee of:
- a. The 17th annual conference on Computer Animation and Social Agents, MIRALab, University of Geneva, Switzerland, May 26-27-28, 2004.
 - b. The Geometric Modeling and Processing 2004 (GMP 2004), Beijing, China, April 13-15, 2004
 - c. The Computer Graphics and Geometric Modeling CGGM'2003, Montreal, Canada, May 18-21, 2003
 - d. The Eleventh Pacific Conference on Computer Graphics and Applications, Canmore, Alberta, Canada, 8-10, October, 2003.
 - e. Shape Modeling International 2003 May 12 - 15, 2003 Seoul , Korea.
 - f. The 16 International Conference on Computer Animation and Social Agents, (CASA'2003), Rutgers University, May 7-9, 2003
14. Supervisor of the MS thesis of I. Hasbini (G2 Non-Uniform Subdivision Scheme)
15. Supervisor of the MS thesis of R. Abu Zaki, (Skinning Quadratic T-spline).

Saba, Walid

- 1. Participated in the 'Knowledge Circles' meetings of Cellis/FTML and after a meeting at Cellis I committed myself to two lectures that were requested on "Knowledge Engineering in Telecom" and "Intelligent Agents in E-Commerce Applications"
- 2. Member, MS thesis committee.

F. PUBLICATIONS

Al-Jadir, Lina

- 1. **Al-Jadir L.**, Beydoun G., "Using the F2 OODBMS to Support Incremental Knowledge Acquisition", *Proc. 6th Int. Database Engineering and Applications Symposium*, IDEAS'02, Edmonton (Canada), 2002. Published by IEEE Computer Society.
- 2. **Al-Jadir L.**, El-Moukaddem F., "F2/XML: Storing XML Documents in Object Databases", *Proc. 8th Int. Conf. on Object-Oriented Information Systems*, OOIS'02, Montpellier (France), 2002. Published by Springer, Lecture Notes in Computer Science, vol. 2425.
- 3. Beydoun G., **Al-Jadir L.**, "Incremental Development of a Hierarchical Classification System Using an Object-Oriented Database Management System (OODBMS)", *Proc. 6th Int. Conf. on Knowledge-Based Intelligent Information Engineering Systems and Allied Technologies*, KES'02, Podere d'Ombriano (Italy), 2002. Published by IOS Press.
- 4. Beydoun G., **Al-Jadir L.**, "Implementing Nested Ripple Down Rules Using an Object-Oriented Database Management System" (poster paper), *Proc. 7th Pacific Rim Int. Conf. on Artificial Intelligence*, PRICAI'02, Tokyo (Japan), 2002. Published by Springer, Lecture Notes in Computer Science, vol. 2417.

Beydoun, Ghassan

1. G. Beydoun, "An OO Model for Incremental KA", in Springer Lecture Notes in Computer Science, Volume 2473, *Knowledge Engineering and Knowledge Management*, proceedings of the 13th European Conference on Knowledge Acquisition, Modeling and Management (EKAW2002), Springer, Spain 10/2002, pp14-22, ISBN: 3 540 44268 5.
2. **G. Beydoun**, J.T. Fernández Breis, R. Béjar, A. Hoffmann, *Statistical Monitoring of Ontology Integration for Corporate Memory*, in Proceedings of Pacific Rim Knowledge Acquisition Conference (PKAW2002), Japan 2002, pp60-72, ISBN: 4 915905 06 3.
3. **G. Beydoun**, L. Al-Jadir, "Incremental Development of a Hierarchical Classification System Using an OODBMS," in proceedings the 7th Knowledge Expert Systems Conference (KES2002), Volume 1, IOS Press, Italy 2002, pp458-464, ISBN: 1 58603 280 1.
4. L. Al-Jadir, **G. Beydoun**, "Using F2 OODBMS to Support Incremental Knowledge Acquisition," in proceedings of the 2002 International Database Engineering & Applications Symposium (IDEAS02), IEEE, Canada 2002, pp266-275, ISBN: 0 7695 1638 6.
5. **G. Beydoun**, L. Al-Jadir, "Implementing NRDR Using an Object-Oriented Database Management System," in Springer Lecture Notes in Computer Science, Volume 2417, *Trends in Artificial Intelligence*, proceedings of the 7th Pacific Rim Artificial Intelligence Conference (PRICAI), Springer, Japan 2002, pp602-603, ISBN: 3 540 44038 0. (a short paper).

Nasri, Ahmad

1. **Ahmad Nasri**, Tae-wan Kim* and Kunwoo Lee*. "Polygonal mesh regularization for subdivision surfaces interpolating meshes of curves," Vol. 19, pp 80-93, The Visual Computer Journal, Springer, 2003. (URB project)
2. Ahmad Nasri, "Interpolating an Unlimited Number of Curves Meeting at Extraordinary Points on Subdivision Surfaces," Computer Graphics Forum Journal, vol. 22 (1), 87-97, 2003. (URB project)
3. **Ahmad Nasri**, A. Abbas*, "Lofted Catmull-Clark Subdivision Surfaces," Proceedings of Geometric Modeling and Processing International 2002, pp. 83-93, Japan, July, 2002. (LNCSR Project)
4. **Ahmad Nasri**, A. Abbas*, "Designing Catmull-Clark Subdivision Surfaces With Curve Interpolation Constraints," Computer & Graphics Journal, 26 (3), 2002. (URB project)
5. **Ahmad Nasri**, Malcolm Sabin*, "Taxonomy of Interpolation Constraints On Recursive Subdivision Surfaces," The Visual Computer Journal, 18(6), pp 382-403, 2002. The original publication is available in LINK at <http://link.springer.de> (In part: URB, Royal Society UK, LNCSR)
6. **Ahmad Nasri**, Malcolm Sabin*, "Taxonomy of Interpolation Constraints On Recursive Subdivision Curves," The Visual Computer Journal, 18 (4), pp 259-272 , 2002. The original publication is available in LINK at <http://link.springer.de> (In part: URB, Royal Society UK, LNCSR)

Saba, Walid

1. Saba, W. S., "Mental States of Autonomous Agents in Cooperative and Competitive Environments," In Hendtlass, T. and Ali, M. (Eds.), *Developments in Applied*

- Artificial Intelligence* (Proc. of the 15th Int. Conference on Industrial & Engineering Applications of Artificial Intelligence & Expert Systems - IEA/AIE-2002), *Lecture Notes in Artificial Intelligence*, Vol. 2358, pp. 373-382, Springer. (2002).
2. Saba, W. S., "On the Relationship Between Word Meaning and World Knowledge," in *Proceedings of the 3rd International Conference on the Mental Lexicon*, Banff, Alberta, Canada. (2002).

G. FUTURE DEVELOPMENT

The future development of the new Department of Computer Science will be guided by several issues and challenges. These issues and challenges have been identified in a sequence of meetings that the computer science group has held last year. They will be driving the development of the Department next year, and maybe the few years to come.

The Department has to refine the major changes that have been introduced to its undergraduate program in computer science two years ago. The refinement is mandated by our experience over the last two years, and by the changes in the field. Also, the graduate program has to be revised, as it has not changed since its inception. We should look at new areas where computing is having a major impact (like data analysis, scientific computing, etc....).

Better cooperation should be sought with other entities at AUB that offer computing related programs. Among these are the CCE program at FEA and the OPIM program/track at the School of Business.

The Department should try to recruit additional faculty members. The current ratio of 60 students per faculty member is not acceptable. The program is expected to grow further, especially the graduate program, if faculty recruitment is successful.

Enhancing the computing facilities will always be a driving factor in the development of the CMPS programs. Additional computing power will be needed to meet the growing demand, and to support modern trends in the industry. In addition, specialized equipment will be needed to improve the research facilities for our faculty and enhance their research productivity.

The electric and data networking infrastructures at Bliss Hall have to be re-engineered, as they have been installed more than 10 years ago. The re-engineering has to take into consideration the growth in the computing facilities and modern developments in networking.

The Department should try to enhance and establish contacts with the computer industry, especially the software industry, in Lebanon and the region. We should try to develop channels with local and regional entities (associations, societies, governmental committees, enterprises, etc...) to create synergy between our faculty/students and the industry. In particular, the Department will try to establish an internship program involving its students, its faculty, and the industry, that will hopefully benefit all parties concerned.

The new Department will need adequate offices. Currently, some of our full time professors are sharing offices, which is not the norm at AUB. There is a plan for improving the availability and the quality of the office space that should be executed during the summer. One big classroom is expected to be converted to provide for 5 offices and a small meeting area.

To properly support the large operation of the Department and its computer labs, additional administrative staff will be needed. Our experience has shown that there is a need for a full-time assistant to the system administrator, especially that the labs are being open for practically two shifts. Also, and in addition to the secretary at the Department, an assistant secretary is needed, to carry out the administrative duties properly. The Department has been relying on student assistance for such duties.

W. Jureidini
Coordinator

DEPARTMENT OF PHILOSOPHY

A. SUMMARY OF PROGRAMS

This year the Department of Philosophy witnessed a record enrolment figure in its courses. The total number of students registered in philosophy courses during the academic year 2002-2003 was 941. Last year's figure was 630, which was already a three-year high. Though the number of philosophy majors remains low, the department's courses continue to be very popular as elective offerings. Moreover, Philosophy 210 is now required of engineering students, which accounts for most of this year's increase in enrolment. Again, this year demand for service courses far exceeded supply and the department could easily have filled several additional sections of Philosophy 101, 102, 201, 210, and 211, were staff available to teach these courses.

The department was joined by one new faculty member during 2002-2003. Dr. Richard Dean (Ph.D., University of North Carolina), who has held a faculty appointment for three years at Rutgers University, works on Kant's ethics, as well as on contemporary issues in moral theory from a deontological perspective.

The Philosophy Symposium hosted two guest speakers this academic year Prof. Nafhat Nasr (Depauw University) and Prof. Ali Beheshti (University of Tehran). In addition to the Symposium, the Philosophy Circle, a series of informal presentations on philosophical topics by students and faculty alike continues to be active.

B. PERSONNEL

1. Faculty Members

Faculty Members	Rank	Degree
Arabi, Oussama ⁸	Lecturer	"Doctorat"
Richard Dean	Assistant Professor	Ph.D.
Haydar, Bashshar ⁹	Assistant Professor	Ph.D.
Khalidi, Muhammad Ali ¹⁰	Associate Professor and Chairman	Ph.D.
Koons, Jeremy	Assistant Professor	Ph.D.
Nasr, Waddah N.	Associate Professor and Associate Provost	Ph.D.
Osborne, Gregg	Assistant Professor	Ph.D.
Hassan, Hani ¹	Instructor	M.A.
Sadek, Karim	Instructor	M.A.
Samaha, Raed ¹	Instructor	M.A.

⁸ Part time

⁹ A/Chair (second semester & Summer)

¹⁰ To participate in an exchange Program with University of Virginia

2. **Graduate Assistant**
 Ms. Leila Ezzedine B.A.
 Mr. Youssef Haddad B.A.

Student Employment

Ms. Leila Soleh¹
 Mr. Karim Haddad
 Mr. Patrick Haddad

3. **Non-Academic Staff**
 Rawas Samar Secretary

C. TEACHING

1. **Number of Graduating Majors**

B.A	October 2002	--
	February 2003	--
	June 2003	--
M.A.		--
TOTAL		0

2. **Number of Majors Enrolled:**

Graduates	4
Prospective Graduates	2
Juniors	2
Seniors	1
Sophomore	2
TOTAL	11

3. **Student Enrollment in Courses:**

	Summer 2002	1 st Sem.	2 nd Sem.	Total
Courses numbered 300 and above		12	8	20
Courses numbered 211 through 299		163	155	318
Courses numbered 200 through 210	48	52	355	455
Courses numbered below 200		82	66	148
TOTAL	48	309	584	941

¹ second semester

4. Number of Credit Hours Offered

	Summer 2002	1 st Sem.	2 nd Sem.	Total
Courses numbered 300 and above	--	12	6	18
Courses numbered 211 through 299	--	21	18	39
Courses numbered 200 through 210	6	6	33	45
Courses numbered below 200	--	9	6	15
TOTAL	6	48	63	117

D. RESEARCH

Richard, Dean

1. "Why Some Creatures Have Higher Moral Status Than Others," under review at *Utilitas*
2. "The Value of Humanity in Kant's Moral Theory," manuscript in progress. I have completed drafts of all but the last chapter of the book. I have received a long-term URB faculty development grant to complete the book this summer, doing research at the university of North Carolina at Chapel Hill.

Haydar, Bashshar

"Poverty as a Violation of Human Rights".

I argue in this paper in support of the claim that extreme poverty should be treated as a violation of human rights. I argue that on all plausible conceptions of human rights, most of current extreme poverty in the world would count as a violation of such rights.

(Work in progress)

Khalidi, Muhammad Ali

1. "Medieval Islamic Philosophy"

This anthology of Islamic philosophical texts in translation will include texts by five major Islamic philosophers: al-Farabi, Ibn Sina, al-Ghazali, Ibn Tufayl, and Ibn Rushd. It includes one text by each philosopher, all self-contained selections from longer texts. The thematic focus is on epistemology and metaphysics (broadly construed), and the selections cover such topics as: the origin of language, the relation between religion and philosophy, the nature of the human soul, rational knowledge and mystical awareness, and the relation of causality. (Volume prepared for Cambridge University Press. Expected date of completion: October 2003.)

2. "Mind Is to Brain As Gene Is to Molecule"

This article discusses the philosophical question of the causal efficacy of mental or psychological properties: How can the mind have causal powers if the causal interactions are actually happening at the level of the brain? Some philosophers have argued recently that psychological properties tend to be different from properties in the other special sciences (e.g. chemistry, biology, etc.), and that the problem of the causal efficacy of the mental does not therefore generalize to all the

special sciences. Moreover, they maintain that where the problem does generalize, it can be resolved by functional reduction (e.g. of genes to molecules). This article counters these views by arguing that the problem is a general one, and that there is little prospect of functional reduction, whether for mental entities or for those in the other special sciences. (First draft completed.)

Koons, Jeremy

1. "Disenchanted the World: McDowell, Sellars, and Rational Constraint by Perception"
This paper further develops the ideas outlined in my article "How to Avoid the Twin Perils of Anti-Empiricism and the Given" (see below). I argue that the solution to the problem of rational constraint outlined in John McDowell's influential book *Mind and World* does not succeed, diagnose the failure, and suggest a Sellarsian strategy for solving the dilemma. This project was supported by a Center for Behavioral Research Mellon Foundation summer research grant. (forthcoming in *Journal of Philosophical Research*)
2. "Conservatism, Contextualism, and the Diachronic Nature of Epistemic Justification"
Discussions of contextualism, closure, and conservatism in epistemology often fail to demonstrate that the practice of ignoring certain remote possibilities is an *epistemic* one. This failure leads one to suspect that the practice is dogmatic, or that we ignore certain possibilities merely as a pragmatic matter. I hope to show that disregarding remote hypotheses is, in fact, epistemically justified, and that those who deny this do so because they fail to take into account the necessarily diachronic and self-correcting nature of our epistemic practice. This point, once understood, reveals connections between epistemic conservatism, contextualism, the closure principle, and the diachronic nature of epistemic justification. In particular, the contextualist practice of ignoring remote possibilities is essentially tied to epistemic conservatism, which itself requires that epistemic justification be diachronic in nature. Thus, the diachronic nature of justification underlies both conservatism and contextualism, and rationality requires not foundations, but *revisability*. (draft of manuscript completed and undergoing revision)
3. "Does the Moral Motivation Debate Rest on a Mistake?"
Although internalists and externalists disagree about the truth of the following principle, both agree that the practicality of morality should be expressed as follows: "If someone judges that it is right that she Φ s then, *ceteris paribus*, she is motivated to Φ ." I argue that this is a mistake, and that morality is practical even though this principle is false. Much of the confusion in metaethical debates can be traced back to the mistake of understanding the practicality of morality along the lines of the above principle. Further, this mistake has forced many philosophers to conclude that they must adopt positions, such as non-cognitivism, externalism, or an anti-Humean theory of motivation that they might otherwise reject. (draft of manuscript completed and undergoing revision)

Osborne, Gregg

1. "Two Major Recent Approaches to Kant's Second Analogy" has been submitted to *Kant-Studien* (the leading international journal of Kant scholarship).
2. I am currently working on three additional articles on Immanuel Kant and the development of theoretical philosophy in the eighteenth century. The first compares

the views of Kant on causality and the role of judgement in what is commonly and naturally called experience to those of David Hume. The second will compare Kant's attack on Hume's claim that all of our ideas are mere copies of impressions to those of such intermediate figures as Thomas Reid and James Beattie. The third will concern the relations between two different parts of Kant's *Critique of Pure Reason*; the Analogies of Experience and the Transcendental Deduction of the Pure Concepts of Understanding.

These articles are in somewhat different stages of development. The first is in the process of being written. Research for the second and third is well underway but still needs to be completed.

E. OTHER STAFF ACTIVITIES

Haydar, Bashshar

1. Acting Chair, Philosophy Department
2. Member, Arts and Sciences Library Committee
3. Member, Arts and Sciences Students Affairs Committee
4. Coordinator of the Philosophy Symposium.

Khalidi, Muhammad.Ali

1. "Freedom and Pluralism in Islamic Philosophy: Farabi on the Democratic City," invited lecture at City College, City University of New York, March 2003.
2. "Freedom and Pluralism in Islamic Philosophy: Farabi on the Democratic City," invited lecture at the University of Virginia, April 2003.

Koons, Jeremy

1. Member, Arts and Sciences Admissions Committee

Nasr, Waddah

1. Associate Provost as of October 1, 1999.
2. Member, The Lebanese National Advisory Committee on Bioethics
3. Member, The Council of Foundation of the International Baccalaureate Organization (IBO). I am also a member of the Education Committee of the Council, and a member of the Regional Advisory Committee of the IBO for Africa, Europe, and the Middle East.
4. Serves on the Editorial Board of the Journal of Research in International Education, published by Sage Publications.

Osborne, Gregg

1. Member, Arts and Sciences Research Committee

F. PUBLICATIONS

1. Haydar, B. "Aesthetic Principles," *British Journal of Aesthetics*, Vol. 43, No. 2, April 2003.
2. Haydar, B. "The Moral Relevance of Cost," *Philosophical Studies*, 112: 127-134, 2003.
3. Khalidi, M. A. "Farabi on the Democratic City," British Journal for the History of Philosophy 11:3 (2003).
4. Khalidi, M. A. Review of Historical Ontology by Ian Hacking, Philosophy of Science, 70:2 (2003).
5. Koons, J. "How to Avoid the Twin Perils of Anti-Empiricism and the Given," in Yves Bouchard (ed.), *Perspectives on Coherentism* (Éditions du Scribe, 2002).
This project was supported by a Center for Behavioral Research Mellon Foundation summer research grant.

G. FUTURE DEVELOPMENT

The department continues to find difficulties in accommodating students in its service courses, while at the same time offering enough upper-level and graduate courses for the benefit of majors and others. As mentioned in section A, demand for some of our courses is now coming from other faculties. Many students in the Faculty of Engineering and Architecture as well as in the Faculty of Health Sciences are now required to take Philosophy 210 (Ethics), and this has necessitated offering eight sections of this course for the academic year 2002-2003. We hope that this trend continues, and that other faculties and departments recognize the value of taking courses in philosophy. At the same time, we need to meet this demand without resorting to hiring a large number of part-time lecturers and instructors, which is neither desirable nor always available. Thus, we hope to be able to hire additional full-time faculty members at the professorial level in the next few years.

B. Haydar
A/Chair

DEPARTMENT OF PHYSICS

A. SUMMARY OF PROGRAMS

The Department of Physics has extended its lab facilities (Phys 211L & 228L) to satisfy the increasing demand of the students of engineering and computer science.

The total number of students served by the Department was roughly the same as last year (about 2300)

The practice of general lectures and recitations for the large service courses has proved to be an efficient way of gaining protected time for research through reduction of contact hours.

During the last fiscal year, the Physics Department has received two major pieces of important equipment for the research activities in experimental physics:

- (a) Physical Properties Measuring System (in collaboration with the Central Research Science Laboratory - CRSL: A versatile instrument with a superconducting magnet (9 Tesla) is now available that allows measurements of physical properties such as specific heat, magnetization, magnetic susceptibility, Hall effect, etc. These measurements can be performed on bulk materials or thin films from ambient to liquid helium temperature of about 1.8 K.
This instrument is now being used to characterize a variety of materials such as amorphous carbon-based thin films and diluted magnetic semi-conductors.
- (b) Q-Band ESR Bridge: This instrument has been installed on the existing Electron Spin Resonance (ESR) spectrometer. It performs ESR spectra measurement at high frequency of 35 GHz. This enhances the resolution of the detection of electronic transitions. The bridge is equipped with a cavity, a liquid helium cryostat, and a temperature controller that allows measurements at various temperatures down to 4 K.

The number of graduate students coming to the Department is steadily increasing and being now close to 40% of the total number of Physics students. This development is due to the increasing reputation of the Physics Department offering high-level, advanced education and to the fact that there are enough graduate assistantships for qualified students that can cover the tuitions at AUB.

B. PERSONNEL

1. Faculty Members

Abou Ghantous, Michel	Ph.D.	Associate Professor
Bitar, Khalil	Ph.D.	Professor (Dean FAS)
Bodakian, Berjouhi ¹	Ph.D.	Lecturer
Chamseddine, Ali ²	Ph.D.	Professor (Director CAMS)
Christidis, Theodore	Ph.D.	Associate Professor
El-Eid, Mounib	Ph.D.	Professor (Chairman)
Isber, Samih	Ph.D.	Assistant Professor

Klushin Leonid	Ph.D.	Associate Professor
Sabra, Wafic	Ph.D.	Associate Professor
Tabbal, Malek	Ph.D.	Associate Professor
Touma, Jihad ⁵	Ph.D.	Assistant Professor
Zableet, Toufik	Doct. Eng.	Instructor

Visiting

Engineer, Sunu ⁴	Ph.D.	Lecturer
Harb, Tarek ^{1,3}	Ph.D.	Lecturer
Zaraket, Haitham ^{1,3}	Ph.D.	Lecturer

2. Research Assistant (CRSL)

Rania El-Osta	B.S.	
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3. Graduate Assistants

Abdel-Hussein, Mroue	B.S.	
Abdul El Khalek, Salman ³	B.S.	
Atallah, Nada	B.S.	
Chmaysani, Wissam ³	B.S.	
Fares, Tarek	B.S.	
Haddad, Jessy	B.S.	
Hannoun, Elias ⁴	B.S.	
Itani, Haybat ⁴	B.S.	
Kahwaji, Samer	B.S.	
Madi, Charbel ⁴	B.S.	
Mansour, Ahmad	B.S.	
Maraachelian, Edward	B.S.	
Obeid, Dina	B.S.	
Said, Aurore	B.S.	
Shreim, Amer	B.S.	

4. Non-Academic Staff

Abi Falah, Jumana	Secretary	Physics Office
Issa, Wassim	Senior Technician	Teaching Labs
Jirjis, Antoine	Senior Technician	Machine Shop
Kadi, Nazih	Senior Technician	Teaching Labs
Nujaim, Wassim ⁶	Senior Technician	Machine Shop
Sawaya, Boutros	Glass blower	Glass Shop

¹ Part-time

² Position Shared between Physics and CAMS

³ 1st Semester only

⁴ 2nd Semester only

⁵ On leave with pay for the whole year

⁶ Early retirement: May 1, 2003

C. TEACHING

1. Number of Graduating Majors

B.S.	Oct. 2002	none
	Feb. 2003	none
	June 2003	2
M.S.	Oct. 2002	none
	Feb. 2003	1
	June 2003	none

2. Number of Majors

	<u>Summer 2002</u>	<u>Fall 2002/2003</u>	<u>Spring 2003</u>
Graduates	-	13	15
Seniors	-	2	2
Juniors	-	7	9
Sophomores	1	16	13
	<u>1</u>	<u>38</u>	<u>39</u>

3. Student Enrollment in Courses

<u>Courses numbered</u>	<u>Summer 2002</u>	<u>Fall 2002/2003</u>	<u>Spring 2003</u>	<u>Total</u>
300 and above	-	30	31	61
211 through 299	182	636	336	1154
200 through 210	176	372	310	858
below 200	-	61	166	227
	<u>358</u>	<u>1099</u>	<u>843</u>	<u>2300</u>

4. Number of Credit Hours Offered

<u>Courses numbered</u>	<u>Summer 2002</u>	<u>Fall 2002/2003</u>	<u>Spring 2003</u>	<u>Total</u>
300 and above	-	15	12	27
211 through 299	17	65	36	118
200 through 210	18	38	32	88
below 200	-	7	17	24
	<u>35</u>	<u>125</u>	<u>97</u>	<u>257</u>

D. RESEARCH

Michael Abou-Ghantous

1. **M. Abou Ghantous** and A. Khater*. (2003). Magnons conductance of quasi-one Dimensional waveguides with different configurations. In Preparation to be submitted to *J. of Magnetism and Magnetic Materials* .
2. Colin A.Bates* , **Michel Abou Ghantous***, Janette L. Dunn*, Faten Al-Hazmi*, Victor Z. Polinger*, and Elie A. Moujaes. (2003). Refinements in the Calculation of Second-Order Vibronic Reduction Factors for Orbital Triplet Jahn-Teller Systems in Octahedral and Icosahedral Symmetry. Submitted to the *J. Phys. Condensed Matter*.
3. F. Al-Hazmi*, V. Polinger*, J. Dunn*, C. Bates*, E. Moujaes* and **M. Abou Ghantous***. (2002, August 26-Sept. 1). Non-Condon Corrections to Franck-Condon Values of Second-Order Reduction Factors: The Cubic Terms. Accepted in the XVIth Jahn-Teller Conference, Leuven, Belgium. To be published in *J. Phys. Chem.*
4. The second order vibronic reduction factors in C₆₀ from the strong to intermediate coupling: The H- and the G-Terms. This project is under progress with the collaboration of the Nottingham group: Co-supervision of the Ph.D.'s work of the F. El-Hamze.

Theodore Christidis

1. Paramagnetic defects in carbon based thin films; article in preparation.
2. Development of a large-scale surface wave plasma; in progress, URB.
3. Pulsed laser deposition of SiC thin films, in progress, URB
4. EPR of O⁺ irradiated SiC crystals.

Mounib El-Eid

Current research project:

“Nucleosynthesis of Heavy Elements and Their Isotopes in Massive Stars”, which is supported in part by the NSF (USA), in collaboration with Dr.'s Bradley Meyer and Lihsin The (Clemson University, SC/USA).

The following articles are in progress in the framework of the project above:

1. “Evolution of Massive Stars Through Their Advanced Burning Phases”. This paper will focus on detailed description of the final nuclear fusion phases of massive stars before the onset of gravitation collapse.
2. “S-process in Massive Stars: The Contribution of the Carbon Shell-Burning”. This exotic site of the s-process (slow neutron capture process) is poorly understood and occurs during the late evolutionary phases of massive stars considered in paper (1).
3. “The Production of ²⁶Al During the Presupernova Stage of Massive Stars”. This paper will discuss the physical conditions encountered during the evolution of massive stars which lead to the production of this radioactive nucleus. Massive stars are believed to be an important contributor to its production. The importance of ²⁶Al for astrophysics that its half-life time of about one million year is an important clock for γ -ray astronomy.

Samih Isber

1. Linear chain and Magnetic properties of Co²⁺ doped NO₃-pyrazine.
2. Structure and Magnetic Properties of the Dimeric Polyoxoanions M₄(H₂O)₂(GeW₉O₃₄)₂]¹²⁻ (M = Mn²⁺, Cu²⁺, Zn²⁺, Cd²⁺)

Leonid Klushin

1. Adsorption of regular and random copolymers. Project in progress. A paper being written up.
2. Effects of geometry on the fluorescence energy transfer at macromolecular interfaces. Project in progress. One paper accepted by J. Chem. Phys.
Co-investigator: O.V. Tcherkasskaya, (Georgetown University, USA).
3. Stable and metastable states for polymers at interfaces. Project in progress. A paper being written up.
Co-investigators: A. Skvortsov (Chemical-Pharmaceutical Academy, St. Petersburg, Russia) & F. Leermarkers (Wageningen University, Netherlands).

Malek Tabbal

1. Electronic transport in carbon nitride materials; article in preparation.
2. Paramagnetic defects in carbon based thin films; article in preparation.
3. Development of a large-scale surface wave plasma; in progress, URB.
4. Pulsed laser deposition of thin films, in progress, URB.

E. OTHER ACTIVITIES

Michael Abou-Ghantous

Supervision of the M.S. Thesis, presented by Elie Moujaes at the Physics Department-AUB in December 2002.

Title: Non-Condon Corrections to Frank-Condon values of Second-Order Reduction Factors: the Cubic and Icosahedral *T* terms in Jahn-Teller systems

Ali Chamseddine

Director, Center for Advanced Mathematical Sciences (CAMS)

Theodore Christidis

1. M. Tabbal, T. Christidis, S. Isber and M. A.El Khakani*. (2003, June). "Nanoclustering in pulsed laser deposited amorphous carbon based films", poster presentation at European Materials Research Society (E-MRS) Spring Meeting, Strasbourg (France).
2. Member of the Accreditation Task Team VIII: Admissions
3. A/Chairman, University Admissions Committee
4. Member of the FAS Admissions Committee (*ex-officio*).
5. Majorless Science Advisor.
6. Member, University Senate.

Mounib El-Eid

1. Chairperson of the Physics Department
2. Member of the Advisory Committee (second year)
3. Member of the accreditation self-study task force 10 (Faculty)
4. Graduate students advisor
5. Visit to the department of Physics and Astronomy at Clemson University (SC/USA) during August/September 2002
6. Participation in the International Conference organized by the Egyptian Atomic Energy Authority on “Mathematics and Nuclear Physics and Application in the 21st Century”, Cairo, 7-14 March 2003. Invited talk has been presented on “Heavy Element Production in Massive Stars”

Samih Isber

1. Member, Central Science Research Laboratory, FAS.
2. Member, Curriculum Committee, FAS.
3. Advisor, Physics Majors.
4. Arts & Sciences representative for AUB fair 2002.

Malek Tabbal

1. P. Mérel*, M. Tabbal and M. Chaker*. (2002, September). “Phase segregation in carbon nitride thin films.” Diamond 2002, Granada (Spain).
2. M. Tabbal. (2002, May). “Enhancing student understanding of physical concepts by computer assisted experimentation.” Practical Interactive session, 6th Annual Science and Math Teachers Conference, Beirut.
3. M. Tabbal. (2002, September). “Nitrogen surface wave plasmas for the synthesis of nitride thin films.” Invited seminar at the University of Cordoba (Spain).
4. M. Tabbal*. (2002, November). “Pulsed Laser Deposition: from amorphous films to epitaxy.” Invited talk at the First Regional Seminar on Laser Applications, Damascus (Syria).
5. M. Tabbal, T. Christidis S. Isber and M.A. El Khakani*. (2003, June). “Nanoclustering in pulsed laser deposited amorphous carbon based films.” Poster presentation at European Materials Research Society (E-MRS) Spring Meeting, Strasbourg (France).
6. Member of the Accreditation Task Team XIV: Assessment of Student Learning.
7. Member of the Medical Admission Committee.
8. Member of the FAS Students Affairs Committee.
9. Member of the FAS Administrative Committee.
10. Consultant for the Kingdom Schools in Saudi Arabia.
11. Freshman Science Advisor.
12. Facilitator for the “Faculty Seminar on Teaching 2003” at AUB.

F. PUBLICATIONS

Michael Abou-Ghantous

1. **M. Abou Ghantous**, and A. Khater*. (2002). Localized spin modes of decorated magnetic clusters on a magnetic surface. *J. of Magnetism and Magnetic Materials*, 248, 85-100.
2. **M. Abou-Ghantous**, P. B. Oliete*, C. A. Bates*, J. L. Dunn*, V.Z. Polinger*, R. Huang* and S. P. Rough*. (2002). The Jahn-Teller Effects and Reduction Factors in Icosahedral $G \otimes (h \oplus g)$ systems. *J. Phys. Condensed Matter: 14*, 4679-4697.
3. **M. Abou Ghantous**, V.Z. Polinger*, J.Dunn V*. and C.A.Bates*. (2002). The Franck Condon approximation for Second-Order vibronic reduction in icosahedral $T_{1u} \otimes h_g$ systems. *J.Phys.: Condens.Matter 14*, 3115-3127.
4. Faten Al-Hazmi*, Victor Z. Polinger*, Janette L. Dunn*, Colin A.Bates*, Elie A.Moujaes and **Michel Abou Ghantous**. Non-Condon correction to Franck-Condon values of second-order reduction factors: the cubic T term. The XVIIth *International Symposium on Jahn-Teller Effects, Leuven, Belgium (2003)*. Published as a separate volume of : "Advances in Physical Chemistry". Paper of pages.
5. R. Huang*, **M. Abou-Ghantous**, C. A. Bates*, J. L. Dunn*, V.Z. Polinger* and C. P. Moate*. (2002). Modelling of the $H \otimes (h \oplus g)$ Jahn-Teller system: Extension to vibronic reduction factors. *J. Phys. Condensed Matter 14*, 1319-1335.
6. A. Khater* and **M. Abou Ghantous**. (2002). Calculation of Spin Modes on Magnetic Surface Clusters. *Surface Science: Letters*, 498(1-2), L97-L102.
7. A. Khater*, **M. Abou Ghantous** and M. Fresneau*. (2002). A spin-1/2 model for the Curie temperature of binary superlattices containing alloy disordered interfaces. *J. of Magnetism and Magnetic Materials*, 347(3), 305-315.
8. A. Khater*, **M. Abou Ghantous**, and M. Fresneau*. (2002). The magnetic properties of $A_k(A_p B_{1-p})_1 B_h$ superlattices containing alloy disordered interfaces in a spin-1/2 model. *J. Phys .D.: Applied Physics*, 35, 951-956.

Theodore Christidis

A. Errebbahi*, F. Terki*, S. Charar*, C. Fau*, S. Isber, M. Tabbal, **T. Christidis**, D. Ravot*, J. C. Tedenac* and Z. Golacki*. (2002). "Investigation of the effect of annealing on the magnetic properties of $Sn_{1-x}Eu_xTe$ single crystals", *J. Mag. Mag. Mater.*, 248, 68.

Mounib El-Eid

1. D.D. Clayton*, B. Meye*, L. The*, **M. El-Eid**. (2002). "Iron Implementation in Presolar Grain", *Astrophysical Journal Letter*, 540, L49.
2. **El-Eid, M.F.**, Flower, P.* (2003). *Testing Convection in Massive Stars*, in IAU Symposium No. 212 on "Massive Star Odyssey". Ed. K. Van der Hucht, etal. Publication of the Astronomical Society of the Pacific, San Francisco, 291.

Samih Isber

A. Errebbahi*, F. Terki*, S. Charar*, C. Fau*, **S. Isber**, M. Tabbal, T. C. Christidis, D.

Ravot*, J. C. Tedenac* and Z. Golacki*. (2002). "Investigation of the effect of annealing on the magnetic properties of $\text{Sn}_{1-x}\text{Eu}_x\text{Te}$ single crystals." *Journal of Magnetism and Magnetic Materials, Volume 248, Issue 1*, 68-74.

Leonid Klushin

1. **L.I. Klushin**, A.M. Skvortsov*, and F.A.M. Leermakers*. (2002). Exactly solvable model with stable and metastable states for a polymer chain near an adsorbing surface. *Phys. Rev. E*, 66, 036114.
2. O. Tcherkasskaya*, A. Gronenborn*, and **L. Klushin** (2002). Excluded Volume Effect within the Continuous Model for the Fluorescence Energy Transfer. *Biophys. J.*, 83, 2826.

Malek Tabbal

1. A. Errebah*, F. Terki*, S. Charar*, C. Fau*, S. Isber, **M. Tabbal**, T. C. Christidis, D.Ravot*, J.C. Tedenac* and Z. Golacki*. (2002). "Investigation of the effect of annealing on the magnetic properties of $\text{Sn}_{1-x}\text{Eu}_x\text{Te}$ single crystals." *J. Mag. Mater.*, 248, 68.
2. P. Mérel*, **M. Tabbal** and M. Chaker*. (2003). "Phase segregation in pulsed laser deposited carbon nitride thin films." *Diamond Relat. Mater.*, 12, 1075.

G. FUTURE DEVELOPMENT

The Department should focus on developing and restructuring the graduate program to achieve two goals: First to start a Ph.D. program in theoretical physics, being now supported by the University. Second, using the facilities of the Central Research Science Laboratory, the experimental physicists in the Department should be able to establish a Ph.D. program in experimental physics in the near future. Achieving this aim will open the door for external funding to enforce research in experimental physics.

The Department hopes to receive further support in form of graduate assistantships in order to continue and stabilize its graduate program. This financial support seems to be inevitable to attract students to graduate study in Physics.

The Department is expecting a new faculty member in theoretical physics starting October 2003, and hopes to hire another faculty member in experimental physics next year.

M. El-Eid
Chair

* Not Associated with A.U.B.

POLITICAL STUDIES AND PUBLIC ADMINISTRATION

A. SUMMARY OF PROGRAMS

The PSPA Department has completed the comprehensive curriculum review that was started last year. The focus, this past year, was on the graduate program in Political Studies and Public Administration. Several new courses were introduced in Political studies and Public Administration and descriptions of all courses were revised. The Department has also introduced three new courses dealing with environmental policy and regulations as part of the Department's contribution to the inter-faculty program in Environmental Sciences. The revived graduate program will be implemented in the academic year 2003- 2004.

Student enrollment in undergraduate and graduate courses offered by the Department was high and an increasing number of students from several majors, including CAMES, are taking PSPA courses.

Faculty members have been engaged in research. Two books on Hizbollah, one by Professor Nizar Hamzeh and the other by Professor Judith Harik, are expected to appear in print in the course of next year. Professor Ahmad Moussalli has published a book on political Islam and Professor Farid el Khazen has published a book on political parties in postwar Lebanon.

Two faculty members joined the Department: Professor Roman Kulchitsky, who specializes in Public Administration, and Professor Patrick Ireland, a specialist in Comparative Politics, held a visiting position for one year. Indiana University Professor Iliya Harik was also a visiting Professor for one semester.

The Department has received over thirty applications for faculty positions in Political Studies and Public Administration. Dr. Yezid Sayigh from Cambridge University will join the Department in the coming academic year as a visiting Professor for one year. Offers for full time positions were made to two Professors in Political Studies and one in Public Administration.

Several of our graduate and undergraduate students were accepted in programs in Political Science and Public Administration in universities, including University of Chicago, Oxford University, London school of Economics, and Institut de Sciences Politiques in Paris.

B. PERSONNEL

1. Academic (full-time)

Antoun, Randa	Ph.D.	Lecturer
Bitar-Ghanem, George	M.A.	Instructor
El Khazen, Farid	Ph.D.	Professor, Chairman
Hamzeh, Nizar	Ph.D.	Associate Professor
Harik, Iliya(Spring semester)	Ph.D.	Visiting Professor
Harik, Judith	Ph.D.	Lecturer
Ireland, Patrick	Ph.D.	Visiting Associate Professor
Khashan, Hilal	Ph.D.	Professor
Kisirwani, Marun	Ph.D.	Dean of Student Affairs

Krayem, Hassan	Ph.D.	Lecturer
Kulchitsky, Roman	Ph.D.	Assistant Professor
Moussalli, Ahmad	Ph.D.	Professor
Sadowski, Yahya	Ph.D.	Associate Professor
Waterbury, John	Ph.D.	President of the University

2. Academic (part-time)

Abul-Husn, Latif	Ph.D.	Lecturer
Crumrine, Christine	Ph.D.	Lecturer
Fabri, Marguerite	Ph.D.	Lecturer
Hamati, Inana	MA	Instructor
Hankir, Samer	M.A.	Instructor
Kheir, Wael	M.A.	Instructor
Masri, Shafic	Ph.D.	Lecturer
Nakib, Khalil	Ph.D.	Lecturer
Salam, Nawaf	Ph.D.	Lecturer

3. Research Assistants

Bashir Helen

4. Graduate Assistants:

Abboud Katia
 Abi Khalil Sally
 Abu Ghazaleh Sara
 Chedrawi Laure
 El Hussein Charif
 Haddad Tania
 Ismail Hiba
 Nasseh Nicole
 Noga Casey
 Reda Fouad

5. Assistants:

Abboud Rami
 Bassil Rita
 Salem Manal
 Yaghi Khalil

6. Non-Academic

Hitti Bou Fadel, Milia Secretary

C. TEACHING

1. Number of Graduating Majors NEW

		<u>PS</u>	<u>PA</u>
B.A.	<u>October 2002</u>	02	02
	<u>February 2003</u>	08	04
	<u>June 2003</u>	15	27
M.A.	<u>October 2002</u>	00	00
	<u>February 2003</u>	00	01
	<u>June 2003 (Expected)</u>	04	01

2. Number of Majors

	<u>PS</u>	<u>PA</u>
Graduates	41	29
Seniors	63	70
Juniors	46	83
Sophomores	26	52
	----	----
	176	234

3. Student Enrollment in Courses

	<u>Summer</u>	<u>1st sem.</u>	<u>2nd sem.</u>	<u>Total</u>
	<u>2002</u>			
Courses numbered 300 and above	01	61	75	137
Courses numbered 211 through 299	43	411	487	941
Courses numbered 200 through 210	53	241	214	508
Courses numbered below 200	12	52	54	118
	----	----	----	----
	109	765	830	1704

4. Number of Credit Hours Offered

	<u>Summer</u>	<u>1st sem.</u>	<u>2nd sem.</u>	<u>Total</u>
	<u>2002</u>			
Courses numbered 300 and above	00	21	24	45
Courses numbered 211 through 299	12	69	69	150
Courses numbered 200 through 210	09	12	12	33
Courses numbered below 200	03	03	03	09
	----	----	----	----
	24	105	108	237

D. RESEARCH

El Khazen, Farid

1. "In Search of Reform and Sovereignty in Wartime Lebanon: 1976-1988". Forthcoming article in *Middle Eastern Studies*.
2. *Encyclopedia of Islam and the Muslim World*. Forthcoming article on Lebanon, 2003

3. "Political Process in Postwar Lebanon: Authoritarianism By Diffusion". Forthcoming chapter in a book on postwar Lebanon edited by T. Hanf and N. Salam, 2003.

Hamzeh Nizar

1. *In the Path of Hizbullah*. Forthcoming book. Syracuse University Press, Fall 2003.
2. "The Shiite Islamist Groups of Bahrain,"(submitted).
3. "Lebanon's al-Qaida: From the Inside Out,"(research completed and paper being written).

Harik, Judith

1. *Hizbullah: The Changing Face of Terrorism*, I. B. Tauris Publishers, forthcoming in Fall 2003
2. "Druze Civic Organization During the Lebanese Civil War", *Bulletin of the Royal Institute of Social Research*, Jordan. In press
3. (Initial stage of research) Hamas' End Game: Strategies and Prospects. (Book Project)

Ireland, Patrick

Book manuscript prepared for publication during the fall and spring semesters:
No Easy Fit: Immigrants and the Welfare State in Europe (Pittsburgh: University of Pittsburgh Press, forthcoming in 2004).

Khashan,Hilal

The following manuscript entitled "Accounting for Palestinian Perspectives on Suicide Bombings: Religious Militancy, Poverty, and Personal Attributions". Forthcoming in *Third World Quarterly*. The piece takes issue with the argument that suicide bombers reveal no pattern and presents evidence linking them to poverty, political Islam, and self-worth.

Krayem, Hassan

"The Arab Countries and WTO Policies"

An overview on implications of joining the WTO for Arab countries including the impact of WTO on selected Arab countries. Research completed and written paper is submitted for the: "Arab parliaments, WTO accession and processes: implications for social development and poverty reduction".

Kulchitsky, Roman

Articles under revision

Kulchitsky, D. Roman, "Knowledge Consequences of Positivist Assumptions: Development Research and IT-for-Decision-Making Initiatives."

Why are public administrators, planners, and policy makers in developing countries overwhelmingly utilizing information technology (IT) for administrative and transactional processing activities, but not decision-making? Whereas scholars evaluate the success and failure of IT deployment and applications, the vast majority of these studies overlook how the decision-making process interacts with new technologies. This article establishes an overarching premise that a critical analysis of how tacit knowledge is used in decisional situations is fundamentally important to understanding how IT for development strategies can integrate new technologies into organizational decision making practices.

Articles in the “exploratory phase”

Kulchitsky, D. Roman, “E-government and Administrative Development: The Case of Jordan,” First draft of paper is being prepared for the *Conference on the Jordanian Economy in a Changing Environment*, sponsored by the Economic Studies Unit of the Center for Strategic Studies at the University of Jordan, Amman, Jordan, from 22-23 July 2003. *

Current Research Projects— Funded

URB Grant Title: *Hyper-Courseware for Information Communication Technology Supported Collaborative Learning Environments Project*

Dr. D. Roman Kulchitsky (Primary Investigator), PSPA Department

Dr. Ghassan Beydoun (Co-Investigator), Dept. of Mathematics & Computer Science.

The aim of this project is to combine teaching, research and technology in a learning environment that promotes competencies such as critical thinking, careful reading and writing, effective communication and problem solving in courses related to Public Policy and Administration.

Proposals Under Consideration

Lebanese National Council for

Scientific Research Proposal Title: Leveraging Information Technology for Training and Development in the Arab Region

Dr. D. Roman Kulchitsky (Primary Investigator), PSPA Department

Dr. Ghassan Beydoun (Co-Investigator), Dept. of Mathematics & Computer Science

Dr. Rosangela Silva (Co-Investigator), Director, Academic Computing.

The aim of this project is to compare and contrast the effectiveness of emerging technologies to deliver media-rich training across all major computer platforms. The project will pursue this mission through a series of WBL experiments in classes and workshops at the American University of Beirut. The project will conclude with articles and reports based on research findings.

URB Grant Renewal Proposal for the Collaborative Hyper-Courseware Project

Dr. D. Roman Kulchitsky (Primary Investigator), PSPA Department

Dr. Ghassan Beydoun (Co-Investigator), Dept. of Mathematics & Computer Science

This proposal requests continued funding for the 2003-2004 academic year to: (1) build two additional hyper-courses for Spring, 2004; (2) beta-test Spring, 2004 hyper-courseware packets for Spring, 2004; and (3) conduct a two-day Summer, 2004 workshop to discuss course-learning outcomes with interested AUB faculty.

Moussalli,Ahmad

1. Writing eight articles on Islamic fundamentalist thinkers for Oxford Encyclopedia of Islam.
2. Writing an entry on Nationalism for the Encyclopedia of Islam.

Sadowski, Yahya

“Complex Ontology and the Problem of the State.”

The social sciences differ from the natural sciences in that the objects of study for the former are ontologically complex, *i.e.*, they can be both institutions and agents or forces and structures, they evolve dramatically over short periods of time, and knowledge about them is highly dependent upon the perspective of the observer. Social scientists have either ignored this problem and blindly followed the methodology of the natural sciences, or taken it as a council of despair and an invitation to total relativism. Yet if scholars accept that all current paradigms (or, as Lakatos called them, multiple “scientific research programs”) capture only single dimensions of what are intrinsically ontologically complex phenomena, fostering communications, translations, and comparisons between paradigms can become a valuable means of capturing the full complexity of the objects and processes under study. This project has now been expanded as part of a collaboration with Dr. Boris Young of the University of California, Santa Barbara, and has been tentatively retitled “Paradigm Shaft.”

The Dance of the Scorpions: Lessons in State Formation.

This is a book length study of the problems of state formation in late developing societies (focusing on the Middle East), that the author has been researching for twenty years. It presents a new model for understanding state formation in terms of problems of technology transfer. It employs the historical-comparative method to highlight critical differences of environment and sequencing that distinguish early developing and late developing states. And it offers policy makers concrete advice on how the issue of state formation impacts efforts to promote security, economic development, and democracy.

E. OTHER STAFF ACTIVITIES

Farid el Khazen

1. The First World Congress for Middle Eastern Studies, Mainz, Germany. Presented a paper on postwar Lebanon, September 8-13, 2002.
2. Center for Comparative Study of Law and Society. Workshop on electoral laws in Postwar Societies, Presented a paper on electoral laws in postwar Lebanon. Beirut, September 27-28, 2002.
3. The 4th Mediterranean Development Forum, Amman, Jordan, October 6-9, 2002. Discussant of papers in workshop on local government in the MENA region.
4. University of Malta and University Federico II (Naples). International Conference on “Human Rights and Cultural Identities in the Mediterranean Area” Naples (Italy), January 30-31,2003.

5. Université La Sagesse (Beirut). Presented a paper on the Functions of Elections in Postwar Lebanon, February 27-28, 2003.
6. International Institute of Strategic Studies (London) and Gulf Research Center, Workshop on "Intervention in the Gulf", Dubai (UAE), May 25- 27,2003.

Hamzeh, Nizar

1. Presentation on "Hizbullah, Iran and Syria." Rand, Los Angeles, August 15, 2002.
2. Presentation on "Lebanon's Islamists." British Ministry of Foreign Affairs, December 22, 2002.
3. Consultant for the Political Science Program, University of Qatar, Doha, May2003.

Harik, Judith

Conference: "The Druze Past and Present", Druze Heritage Foundation and St. Antony's College, Oxford, July 12-14, 2002.

Ireland, Patrick

1. Helped Roman Kulchitsky and Yahya Sadowski with the Model U.N. project during the spring semester.
2. Participated in the Faculty of Health Science seminar series during the fall and spring semesters.

Khashan, Hilal

1. Refereed a number of manuscripts for the Emirates Center for Strategic Studies and Research.
2. Participated in a conference on "future Visions for Lebanon" held at Notre Dame University, Zouk Mkail, Lebanon, on January 24, 2003.

Kravem, Hassan

1. Paper presenter: "Social Policies in the Arab Countries" The Arab League and The Arab Family Organization, first convention on "Towards A Strategy for Arab Family", 5-6 January 2003, Doha, Qatar.
2. Paper presenter: "The Arab Human Development Report and Democracy in the Arab World" Arab Association for Social Sciences, Regional Workshop on Arab Human Development Report, 17-18 January 2003, Beirut, Lebanon.
3. Paper presenter: "Towards a National Agenda for Good Governance in Lebanon" Feb. 10 2003, The Social and Economic Council, Beirut, Lebanon.
4. Paper presenter: "Secret Associations and Freedom of Association in Lebanon" The National Conference on Penal Laws. May, 16-17 2003, Beirut, Lebanon
5. Consultant for the Ministry of Administrative Development. Project to establish a "Center for Municipal Development and Research". Fall 2002-2003, Beirut, Lebanon.

Moussalli, Ahmad S.

1. Lecturer, "Research Proposal on Modern Islamic Thought," Conference on Annotated Bibliography Project, The Aga Khan University, London, June 6, 2003.
2. Lecturer, "Reading the Religious Text," Roundtable Discussion on Reading the Religious Text," Balamand University, 30 May, 2003.
3. Lecturer, "Religious Commitment and the Anthropological Reading of the Formation of Creed," Conference on Culture, Creed, and Authority, Notre Dame University, 11 April, 2003.
4. Lecturer, "The West and the Islamic World: Intellectual Problems," Conference on Islamic Reformist Thinking," Konrad Adenauer Foundation, Beirut, 19-20 June, 2002.

Kulchitsky, Roman

1. *Created PSPA Departmental website.* This website provides information on faculty and programs, as well as general faculty and PSPA news and events.
2. *Served as National Faculty Advisor and AUB student advisor for the first Model United Nations Conference in Lebanon.*
3. *Co-wrote the paper entitled, "Intellectual Capital Development, Knowledge, and Education Reform Strategies in the Arab Region."* The paper was prepared for the annual conference of the Middle East Studies Association, held in Washington, D.C. from 23-26 November 2002.

Sadowski, Yahya

1. **Lebanese Universities Model United Nations**
With Drs. Kulchitsky and Ireland, Dr. Sadowski took the lead in organizing AUB's participation in the first Lebanese universities' Model United Nations. This involved months of consultations with dozens of AUB students, collectively and individually, who represented various countries in this exercise, culminating in a massive conference at ESCWA in April 2003.
2. **Oil Ministry, Norway, Political Risk Consultation**
In May 2003 Dr. Sadowski was invited to deliver presentations to the Norwegian oil ministry about political risk developments in Iran and Saudi Arabia following the American invasion of Iraq.

F. PUBLICATIONS

El Khazen, Farid

Al Ahzab al-Siyasiyya fi Lubnan: Hudud al-Dimuqratiya fi al-Tajriba al-Hizbiyya(Beirut: al-Markaz al Lubnani Lildirasat, 2002).(Political Parties and Democratic Practice in Lebanon)

Khashan, Hilal

1. "Lebanon's Political System: The Aftermath of Landslide Victory," *Il Politico*, vol. 67, no. 2, 2002, pp. 1-20.
2. "Islam and Terrorism," *The Journal of Conflict Resolution*, vol. 46, no. 6, 2002, pp. 812-828 (with Simon Haddad).
3. "Lebanese Muslim Views of September 11," *The Journal for the Scientific Study Religion*, vol. 42, no. 2, 2003, pp. 291-298.
4. "Baghdad's New Mongols," *The Arab World Geographer*, vol. 6, no. 1, 2003, pp.1-7.
5. "Perceptions of the Causes of Poverty Comparing Three National Groups: Lebanon, Portugal, and South Africa," *Current Research in Social Psychology*, vol. 8, no. 7, December 2002, pp. 1-17 (with Ramzi Nasser and Kamal Abouchedid). Available at <http://www.uiowa.edu/~grpproc/crisp.8.7.html>
6. "Al-Ishkaliyya al-Thaqafiyya fi Lubnan," pp. 113-116, in George Mughamis, ed. *Dawlat al-Ghad: Ayyat Ru'a?* Zouk Mkael, Lebanon: NDU Press, 2003.

Krayem, Hassan

Alharb Al-Amerikyia ala' Al-Iraq: Al-Asbab wa Al-Ahdaf' *National Defense*, Issue #43, January 2003, pp. 153-170

Kulchitsky, Roman

Kulchitsky, D. Roman, "Computerization, Knowledge, and IT Initiatives in Jordan," forthcoming in *Administration & Society*.

Moussalli, Ahmad

1. *The West, the United States, and Political Islam* (Arabic), (Beirut: Alf Layla Foundation, 2003).
2. *Images of Islam in the Western World and Images of the West in the Islamic World* (Riyadh/Saudi Arabia: Arab-PR, 2002-03).
3. "Islamic Democracy and Pluralism," *Progressive Muslims: On Justice, Gender, and Pluralism*, edited by Omid Safi (Oxford: Oneworld, 2003), pp. 286-305.
4. "The Islamic World and the Western World: the Mutual Stereotypes," *Defense Nationale Libanaise*, volume 43, no. 1 (2003), pp. 65-112.
5. "The View of the Islamic Movements of Democracy and Political Pluralism," in *Islamic Movements and their Impact on Political Stability in the Arab World* (Abu Dhabi: Emirates Center for Strategic Studies and Research, 2002), pp. 109-149.

Sadowski, Yahya

"No War for Whose Oil?" *Le Monde diplomatique* (April 2003): 15-16.

Waterbury, John

"Hate Your Policies, Love Your Institutions", *Foreign Affairs*, January 2003

G. FUTURE DEVELOPMENT

During the last two years, the PSPA Department has worked to revise and broaden the scope and content of graduate and undergraduate courses in Political Studies and Public Administration. In the coming year, the Department plans to focus on student activities and programs. The intention is to improve student performance and interaction by creating activities that will encourage students to exchange ideas and engage in discussions of issues of public concern.

We plan to organize a lecture series run by students and a research forum for graduate students where they can present research material and papers on topics of general interest. We also plan to introduce new guidelines for the MA thesis.

The Department will seek to introduce internships to students, both graduate and undergraduate, in government institutions, NGOs, and international organizations.

F. El Khazen
Chair

DEPARTMENT OF SOCIAL AND BEHAVIORAL SCIENCES

A. SUMMARY OF PROGRAMS

The Department of Social and Behavioral Sciences has two major programs at the undergraduate level, in psychology and sociology-anthropology. Minor programs exist in four fields, anthropology, communication, psychology, and sociology. There are three graduate programs, in psychology, and in sociology or anthropology. Although a student can opt to do an M.A. in either sociology or anthropology, the core courses are the same.

B. PERSONNEL

1. Faculty Members

<u>Name</u>	<u>Degree</u>	<u>Rank</u>
Abdel-Malak, Hana**	M.A.	Instructor
Awaida, May*	Ph.D.	Lecturer
Azzam, Intisar	Ph.D.	Assistant Professor
Dabbagh, Salma	M.A.	Instructor
Dajani, Nabil,	Ph.D.	Professor
Farah, May*	M.A.	Instructor
Gharzeddine, Marwan*	Ph.D.	Assistant Professor
Harb, Charles*	Ph.D.	Lecturer
Jureidini, Ray, Chairperson**	Ph.D.	Associate Professor
Kazarian, Shahe	Ph.D.	Professor
Khalaf, Samir	Ph.D.	Professor
King, Diane	Ph.D.	Assistant Professor
Merabet, Sofian	M.A.+M.Phil	Instructor
Merhej, Rita*	M.A.	Instructor
Nashabe, Omar*	M.A.	Instructor
Nassif, Yasmine	M.Phil.	Instructor
Saumarez-Smith, Richard***	Ph.D.	Associate Professor
Sukkariyeh, Bassam*	Ph.D.	Lecturer
Saadawi, Ghalya*	M.Sc.	Instructor
Saxena, Prem*	Ph.D.	Professor
Tawil, Daoud*	Ph.D.	Lecturer
Zebian, Samar	Ph.D.	Assistant Professor

2. Research Assistants

Boyadjian, Maral (First semester)

*Part-time

**On leave second semester

***Acting Chair second semester

3. Graduate Assistants

Alamuddine, Rayane
Assaf, Sahar
Bikhazi, Nadine
Boyadjian, Maral (First semester)
Farkouh, Randa (Second semester)
Hijazi, Racha
Kanafani, Samar
Merhej, Mona (First semester)
Nassar, Nelly
Rebeiz, Maria (Second semester)
Taher, Dana

4. Non-Academic Staff

Bozoian, Mary Secretary

C. TEACHING

1. Number of Graduating Majors:

		Psychology	Sociology/Anthropology.
B.A.	October 2002	2	-
	February 2003	9	0
	June 2003	23	3
M.A.	October 2002	-	-
	February 2003	-	1
	June 2003	-	-

2. Number of Majors:

	First Semester 2002-2003		Second Semester 2002-2003	
	Psychology	Sociology/Anthr.	Psychology	Sociology/Anthr.
Graduates	21	12 (2 Anthr.)	17	10 (1 Anthr.)
Prospective Graduates	-	2	-	-
Seniors	25	5	29	7
Juniors	24	4	22	3
Sophomores	27	4	22	3
Freshman	2	-	-	-

3. Student Enrollment in Courses

	<u>Summer</u> <u>2002</u>	<u>Fall</u> <u>2002</u>	<u>Spring</u> <u>2003</u>	<u>Total</u>
Courses numbered 300 and above	2	73	55	130
Courses numbered 211-299	56	429	356	841
Courses numbered 200-210	113	546	564	1223
Courses numbered 100-110	-	142	106	248

4. Number of Credit Hours Offered

	<u>Summer</u> <u>2002</u>	<u>Fall</u> <u>2002</u>	<u>Spring</u> <u>2003</u>	<u>Total</u>
Courses numbered 300 & above	3	36	36	75
Courses numbered 211-299	6	63	51	120
Courses numbered 200-210	6	9	12	27
Courses numbered 100-110	-	6	6	12

D. RESEARCH

Intisar Azzam

1. *The Experience of The Druze Women in 20th Century Lebanon*. Research grant from the Druze Heritage Foundation, London/Royal Institute for Interfaith Studies, Amman, Jordan 2002. Research completed and manuscript in preparation.
2. *Politics of Druze Endogamy in 20th Century*. URB/AUB Grant 1998. Continuing on a grant from Gassan Saab Foundation/Office of Grants & Contracts at AUB, January 2002. In progress.
3. *Religious Pillars of Practice among the Druze in Lebanon*. Research grant from the American Druze Foundation (ADF)/Office of Grants & Contracts at AUB, January 2002. In progress.
4. "A Matter of Identity", in *The Reading/Writing Connection*, Carol Booth Olson (ed.), Allyn and Bacon. In press.
5. "Sectarianism and Cultural Pluralism in Lebanon Today," (Arabic), Paper in press as part of the proceedings of GIL Workshop on Human Rights and Citizenship. Joon, Lebanon, December, 2002.

Nabil Dajani

1. In F. Abu Nasr, *Lebanon in Process of Rebuilding*, World Book Publishing, forthcoming.
2. "Media and Social Consciousness in a Lebanese Community", paper submitted for publication.
3. "Communication and Development: A social action approach to understanding audiences", paper submitted for publication.
4. "Family and Courting Relationships in the Soap Operas of Three Arab Countries," (with D. Hakim), *Journal of Social Affairs*, forthcoming.
5. "The Media Situation in Lebanon," (Arabic) chapter in Jayyusi, Lena (ed.), *Media and Democracy*, The Palestinian Institute for the Study of Democracy, forthcoming.

6. "The Role of the Media in the Arab East": proposed book whose main theme will be the need for national communication policies and plans as well as for observing professional media ethics. The text will draw on firsthand information based on my professional experience of over forty years as a media practitioner, a researcher on the role of the media in the Lebanese society, and a friend and adviser to various media practitioners and officials. The material in the book will also draw on the analysis of available written material in both Arabic and English and on information collected through personal contacts with media sources.

Ray Jureidini

1. "The Failure of State Protection: Household Guest Workers in Lebanon," (14,000 words), submitted to *Revue Européenne des Migrations Internationales* (European Review of International Migration). Currently under review.
2. "Guestworkers in the Middle East," (5,000 words) submitted to *Global Migration: An Encyclopedia*, edited by Matthew Gibney and Randall Hansen, Oxford University Press. Under Review.
3. "Xenophobia in Arab societies," report (13,000 words) commissioned by UNESCO for its *Program Integrated Strategy to Combat Racism, Discrimination, Xenophobia and Related Intolerance*, Geneva.
4. Exploratory Research on "Sexuality and the Servant: An Exploration of Arab Images of the Sexuality of Domestic Maids Living in the Household". A paper will be presented in November, 2003 at the Conference, *Sexuality in the Middle East* hosted in the Center for Behavioral Research at the American University of Beirut.
5. Preliminary draft of a 7,000 word paper on "Human Rights and Foreign Contract Labour." This is a largely discursive theoretical work responding to several issues in the literature on migration and human rights. To be submitted to an international journal on migration.
6. Joint submission for funding with research group on "Public/Private Shifts: Diasporas and Restructuring of Arab Families." This is a section of the *Arab Families Working Group*, led by Prof. Suad Joseph. Other research group members: Drs. Eileen Kuttab (Bir Zeit University), Ibrahim Elnur (American University in Cairo), Judy Makhoul (AUB) and Nadine Naber (University of California, Davis).
7. Joint submission for funding to the International Collaborative Research Grants Competition of the Social Science Research Council. Project entitled: "Migrant Domestic Workers in the Middle East: Becoming Visible in the Public Sphere." Other members of the research group: Drs. Annalies Moors (University of Amsterdam), Hana Jaber (CERMOC, Amman), Ferhunde Ozbay (Bogazici University, Turkey), Rima Sabban (Dubai University College).

Shahe Kazarian

1. Kazarian, S.S. (in press). Horizontal and vertical individualism and collectivism among university students in Lebanon. Paper accepted for presentation at the 8th European Congress of Psychology, Vienna, July 6-11, 2003. URB Funded (January 2002-December 2002).
2. Kazarian, S.S. (in press). Horizontal and vertical varieties of individualism and collectivism and interpersonal relating. Paper accepted for presentation at the International Association of Cross Cultural Psychology 2003 Congress, Budapest, July 12-15, 2003. URB Funded (January 2002-December 2002).

3. Kazarian, S.S. (in press) Assessment and treatment of children and adults. In: Evans, D.R. (Ed.), *The Law, Standards of Practice and Ethics in the Practice of Psychology. Second edition*. Toronto: Emond Montgomery Publishing.
4. Kazarian, S. S. (in press). Rebuilding Lebanon: Citizen Mental Health. In: Abu Nasr, F. (Ed.), *Lebanon: Towards a New Vision*. Beirut, Lebanon: World Book Publishing.

Samir Khalaf

The bulk of my time has been devoted to four research ventures:

1. Completed draft of first volume of my long-standing project (supported by a Lilly Endowment) on *New England Missionaries and Cultural Change* (London: J.B. Tauris).
2. Launched another book project on the *Urban History of Beirut*.
3. Worked closely with Shoukri Rouhayyem in preparing an Arabic Edition of *Civil and Uncivil Violence* (Dar An-Nahhar).
4. Co-ordinated research and fieldwork on “Euro-Med Voices”, a 3-year project (funded by the European Commission) to explore the invisible cultural heritage of Beirut.

Diane King

In Preparation:

1. Supervision of translation (by AUB Press personnel) and editing of the book *Imarat Bahdinan* by Saddiq Damluji (1952, Mosul: Matba‘at al-Ittihad al-Jadidah). Translation funded by the Kurdistan Regional Government.
2. Revision of the manuscript, *When Worlds Collide: The Kurdish Diaspora from the Inside Out*.
3. Data processing and analysis of “Kurdish Migration Histories,” an oral history research project. Funded by an AUB URB grant.
4. Revision of the article “Patron-Client Relationships and Kurdish Migration.” Reviewed by *American Anthropologist* and in revision per editors and reviewers’ recommendations.
5. Two entries commissioned by the editors of the *Encyclopedia of Women and Islamic Cultures*: (1) Women, Gender and Patronage and Clientage: Turkey; (2) Women, Gender and Peacekeeping and Conflict Management: The Caucasus and Turkey

In Press:

1. 2003 (In Press) The Doubly-Bound World of Kurdish Women. *Al Raida* Issue 100. Beirut: Lebanese American University.
2. 2003 (In Press) Kurdish Approaches to Fate and Action. *Journal of Kurdish Studies* vol. 4.

Richard Saumarez Smith

1. “Mapping landed property: A necessary technology of imperial rule?”, in Huricihan Islamoglu (ed.), *Constitutions of property in comparative perspective*, London: I.B.

Tauris, for the European Science Foundation, October 2003. This is part of ongoing research comparing technologies of rule between British India and the Ottoman Empire in the nineteenth century.

2. "Land, society and state in Qada `Ajlun (north Jordan), 1870-1940", in conjunction with Martha Mundy. This is a major long-term project involving analysis of all local documentation concerning four selected villages in north Jordan (Ottoman and Mandate land registers, census records, court records) for the period 1870-1940, combined with interviews with older members of the villages. We are currently in the final stages of preparing the draft of a book entitled *Law, administration and production: property and land in four villages of southern Syria*.

Samar Zebian

1. MARAL: A Study of MAThematics Instructional Reform for All in Lebanon. Co-principal investigator with Marj Henningsen, Department of Education, AUB. Funded by a URB grant (Nov 2002 in progress), Middle East Research Competition, and a private research grant. Research focuses on understanding the extent to which students in Lebanese elementary classrooms are engaging in high level thinking, reasoning and communication in mathematics. The project involves a teacher development component. To date two main observation cycles have been completed, and a technical report has been produced based on the observations. In addition, more systematic and focused analysis projects are scheduled to be completed during Summer 2003.
2. "Emotional Display Rules Across Cultures: A Multi National Study". Co- Principal Investigator with David Matsumoto, San Francisco State University, Department of Psychology. Proposed funding: URB (Dec 2002-Dec 2004). The project proposes a cross-cultural theory of emotional expression within a broader multinational study of cultural display rules involving 48 countries.
3. "Influences of Directionality of Writing on the Mental Number Line". Proposed funding: URB (Sept 2003-June 2004). The project examines whether the spatial orientation of the mental number line is influenced by the directionality of the reading and writing system, and by the skill within each writing system.
4. Zebian, S. (in press), "Coordinations and linkages between numeric and non-quantitative thinking: Ethnographic and experimental approaches to number conceptualisation", *Proceedings of the XVI Congress of the International Association for Cross-Cultural Psychology*.

E. OTHER STAFF ACTIVITIES

Intisar Azzam

1. "Women in Attawhid," Paper presented at the conference on: *The Druze: Realities and Perceptions* Organized by: The Royal Institute of Inter-Faith Studies & The Middle East Center, St Antony's College, Oxford, July, 2002.
2. "Rituals Reconstructed," Paper presented at the conference on: *Sages, Shrines, and Festivals: Their Implications for Communal Identity*. Organized by The Institute of Druze and Religious Minorities Studies, San Diego State University, California, September, 2002.

Nabil Dajani

Professional Activities

Presently serving on the following professional bodies

1. Member, Board of Trustees, International Center for Journalism-Information International Prize in Lebanese Investigative Reporting, 2000-present
2. Associate Editor, Journal of Communication for Social Change
3. Member of Editorial Board, The Journal of Global Communication Research

Participated in the following professional meetings:

1. March 2003, participated in a workshop, sponsored by Jordan University and the Turjuman Institute, on the translation of social scientific textbooks, Amman.
2. November 2002, presented a paper at the Federation of Arab News Agencies Seminar on “Media and Terrorism in the Age of Globalization”, Damascus.
3. October 2002, presented a paper at The Third Annual BIMA International Conference of “The Role of the Media in Defining Arab Culture”, Beirut.
4. March 2002, presented a paper at an international panel on “Professional Ethics, Media Legislation and Freedom of Expression”, held at the Institute for Professional Journalists, LAU, Beirut.
5. February 2002, participated in the Rockefeller Foundation/USAID conference on “Communication for Development/Social Change”, Bellagio, Italy.

Service to the University

1. University Senate
2. University Senate Steering Committee
3. Arts and Sciences Advisory Committee.
4. Member, Accreditation Committee Task Force # 10.

Ray Jureidini

1. Chair, Department of Social and Behavioral Sciences
2. Executive Editor, refereed academic journal *Labour and Industry*
3. Editorial Board Member, *Journal of Arabic, Islamic and Middle Eastern Studies*.
4. Co-Chair, AUB Taskforce on Promotions Criteria
5. Member, AUB Employee Benefits Committee
6. Member, AUB Choral Society and Choir
7. Member, *Arab Families Working Group Workshop*, Social Research Center, American University in Cairo, Cairo, 21-22 February, 2003.
8. “Temporary Migrant Labour and Vulnerability: foreign female domestic workers in the Middle East”, International Sociological Association, *XV World Congress of Sociology*, Research Committee (RC31) Sociology of Migration, Brisbane, Australia, 7-13 July, 2002.
9. “Trafficking and Female Migrant Labour: Forms of Indenture and Xenophobia in the Gulf States”, European University Institute, *Fourth Mediterranean Social and Political Research Meeting*, Florence, Italy, 19-23 March 2003.

10. Invited participant/consultant in *Pathbreaking Strategies in the Global Fight Against Sex Trafficking*, sponsored by the U.S. Department of State and the War Against Trafficking Alliance, Hyatt-Regency, Washington, 23-26 February, 2003.
11. Invited participant in workshop by *International Collaborative Research Grants Competition of the Social Science Research Council*, Royal Nile Tower, Cairo, 6-7 March, 2003.
12. Invited participant/consultant in UNESCO International Experts Meeting on *Renewing the Struggle Against Racism, Racial Discrimination, Xenophobia and Related Intolerance*, Osaka, Japan, 4-5 June 2003.

Shahe Kazarian

1. Member, Executive Committee, Centre for Behavioral Research, 2001-Present.
2. Member, Accreditation Task Team, Institutional Assessment, 2002-2003.
3. Advisor, Social and Behavioral Sciences (SBS) Society, 2002-2003.
4. Curriculum review and development in the form of introduction of four psychology courses: Introduction to Clinical Psychology (SBHS 239), Introduction to Health Psychology (SBHS 241), Child Abnormal Psychology (SBHS 215), and Adult Psychopathology (SBHS 303).
5. Submission of *Proposal for Computer and Psychology Lab* (with input from C. Harb, S. Zebian, and D. Tawil).
6. "Is Humor Bad for Your Health?" Presentation, Faculty of Health Sciences, June 12, 2002.

Samir Khalaf

Conferences and Workshops

Delivered papers in the following conferences and workshops:

1. "Higher Education in the Arab World". AMIDEAST, Marrakech, Morocco, March 13-15, 2002
2. "Oriental Studies and Dialogue: A False Dichotomy?" The German Institute for Oriental Studies, Beirut, March 21, 2002
3. "Mediterranean Voice: Euromed Heritage Programme". University of North London, London, June 21-24.
4. "The Urban Hub: Towards the Resurrection of Beirut". Defense of Rashid Chamoun's Ph.D Thesis in Urban Studies, Union Institute and University Graduate School, Washington, D.C. July 6-7, 2002.
5. "Lebanon in Post-war Limbo". International Center for the Human Sciences, Byblos, Lebanon, session for World Congress for Middle Eastern Studies, University of Mainz, Germany (September 8-13, 2002).
6. "The Worldliness of Edward Said". World Congress for Middle Eastern Studies. (Mainz, Germany, September 8-13, 2002).

Other Activities:

1. Director of Center for Behavioral Research

2. Continued to serve on following Editorial Boards: *International Journals of Comparative Sociology*, *International Review of Sociology*, *Journal of Political Military Sociology*.
3. Continued to serve on the following Board of Trustees: AMIDEAST (Washington, D.C.), Human Rights Watch (N.Y.C), Michel Chiha Foundation.
4. Held preliminary sessions to convene a conference on "Sexuality in post-war Lebanon" jointly with the Middle East Center, St. Antony's College (Oxford). Ford Foundation funds (conference to be held in the fall of 2003).

Diane King

Presentations:

1. 2003, "Gender and Practicing the (De Facto) State in Iraqi Kurdistan." Presentation in the Center for Behavioral Research "Brown Bag" series, American University of Beirut.
2. 2002, "Honor in a De Facto State: Kinship and Gender in Iraqi Kurdistan." Paper presented at the 36th Annual Meeting of the Middle East Studies Association of North America, Washington, D.C.
3. 2002, "Kurdish Migration Histories: Doing Oral History among Iraqi Kurds." Colloquium sponsored by the University of Kentucky, Department of History, Lexington, KY, USA
4. 2002, Participation on expert panel at community forum on Islam and September 11, Lexington, KY, USA

Richard Saumarez Smith

1. Acting Chair, SBS Department, Spring semester 2003.
2. Member, Accreditation Task Team 12 on General Education, 2002-03.
3. Freshman advising and registration for the Arts, 1998 to present.
4. Research Committee, Faculty of Arts & Sciences, from October 2001.

Samar Zebian

Awards and Honors

1. Hewlett Junior Faculty Research Grant, awarded by William and Flora Hewlett Foundation, administered by American University of Beirut, Provost's Office.
2. 2002 Triandis Dissertation Award, developed to promote the careers of young scholars working in the areas of culture and psychology, awarded by International Association for Cross-Cultural Psychology, at the XVI Congress of the International Association for Cross-Cultural Psychology, July 19, 2002, Yogyakarta, Indonesia.

Invited lectures, conference and workshop presentations

1. Zebian, S. (May 2003). *Psychological Approaches to the study of Arab and Islamic culture*. Invited lectures sponsored by the Department of Arabic and Islamic Studies and the Warsaw School of Advanced Social Psychology, University of Warsaw, Poland. May 25-June 01, 2003.

2. Henningsen, M., & Zebian, S. (April 3-4, 2003). Supporting higher order thinking through teacher questioning in elementary mathematics classrooms. 3rd workshop of the MARAL project. American University of Beirut, Beirut, Lebanon.
3. Zebian, S, & Henningsen, M. (March 2003). Supporting higher order thinking in elementary mathematics classrooms in 7 Lebanese schools: An evaluation of program efforts and teaching practices. Report presented to teachers, coordinators and principals of the educational institutions participating in MARAL project. Beirut, Lebanon.
4. Zebian, S. (Feb 2003). Cognitive scientific, cognitive anthropological, and indigenous approaches to the cultural psychology of Arabs. Invited lecture sponsored by the Lebanese University, Psychology Department, Beirut, Lebanon.
5. Zebian, S. (Oct 25-26, 2002). *Adapting textbook lessons and developing classroom norms to support higher order mathematical thinking in elementary classrooms.: 2nd workshop of the MARAL project.* American University of Beirut. Beirut, Lebanon.
6. Henningsen, M., & Zebian, S., (Sept 14, 2002). *A Study of M^Athematics Instructional Reform for All in Lebanon (MARAL): Developing a Foundational Effort to Launch Classroom Research in Lebanon.* First Elementary Workshop of the MARAL Project. American University of Beirut, Beirut, Lebanon.
7. Zebian, S. (July 19, 2002). *Coordinations and linkages between numeric and non-quantitative thinking: Ethnographic and experimental approaches to number conceptualisation.* Paper presented for the Triandis Dissertation Award at the Conference for the International Association of Cross-Cultural Psychologists, (IACCP), Yogyakarta, Indonesia
8. Zebian, S. (June 18, 2002). *Everyday Mathematical Thinking in Traditional and Modernizing Lebanese Business People: Experimental and Ethnographic Approaches to Number Conceptualisation and the Development of Mathematical Thinking.* Paper presented at the 2002 International Society for Cultural Research and Activity Theory (ISCRAT). Amsterdam, Netherlands.

F. PUBLICATIONS

Nabil Dajani

1. "Status of the Media in Syria, Jordan, and Lebanon," with O. Najjar, *Encyclopedia of International Media & Communications*," Academic Press, 2003
2. "Terrorism in the Western Media" (in Arabic), *al-Mustakbal al-Arabi*, no. 291, vol. 26, April/May 2003.

Ray Jureidini

1. 2003, **Ray Jureidini** and Marilyn Poole (eds.), *Sociology: Australian Connections: Third Edition*, Allen & Unwin, Sydney.
2. 2003, Ray Jureidini, "Immigration, Racism and Ethnicity", in Ray Jureidini and Marilyn Poole (eds.), *Sociology: Australian Connections: Third Edition*, Allen & Unwin, Sydney, pp. 183-209.
3. Marilyn Poole (eds.), *Sociology: Australian Connections: Third Edition*, Allen & Unwin, Sydney. pp. 280-311.

- 2002, Ray Jureidini, *Women Migrant Domestic Workers in Lebanon*, International Migration Papers, No 48, International Labour Organization, Geneva (48 pages).
- 2002, Ray Jureidini, "Temporary Contract Labour and Xenophobic Practices in the Middle East", in *UNRISD News*, United Nations Research Institute for Social Development, Geneva, No. 25, January, 2002: pp. 7-9.
- 2002, Ray Jureidini, "Contracts and Courts: Dealing with Foreign Domestic Workers in Lebanon", in *Nawafez Magazine, Al-Mustaqbel*, 23 June 2002.

Shahe Kazarian

- 2002, Kazarian, S.S., *Instructor's Manual for Diversity Issues in Law Enforcement*, Toronto, Canada: Emond Montgomery Publications.
- 2002, Kazarian, S.S., *Instructor's Manual for Introduction to Psychology for Law Enforcement*, Toronto, Canada: Emond Montgomery Publications.

Samir Khalaf

- 2003, *Lubnan fi Madar al 'Unf* (Arabic Version of Civil and Uncivil Violence: Dar An-Nahar), 428 pages.
- 2002, "On doing Much With Little Noise: Early Encounters of Protestant Missionaries in Lebanon", in E.H. Tejirian and R.S. Simon (Eds), *Altruism and Imperialism: Western Cultural and Religious Missions in the Middle East* (Columbia University, 2002), pp.14-44.

Diane King

2002, Review of Shahrzad Mojab (ed.), 2001, *Women of a Non-State Nation: The Kurds*, Costa Mesa: Mazda Publishers, *The Middle East Journal* 56: 343.

Richard Saumarez Smith

- 2002, Saumarez Smith, Richard, "Rule-by-records and rule-by reports: complementary aspects of the British imperial rule of law", in Martha Mundy (ed.), *Law and Anthropology*, Aldershot, UK: Ashgate Press, Chapter 25, pp. 635-658. This is a reprint with minor corrections of an article first published in 1985.
- 2003, Saumarez Smith, Richard, "The historiography of Indian society", in Veena Das (ed.), *The Oxford India Companion to Sociology and Social Anthropology*, Vol. 1, Delhi: Oxford University Press, pp. 99-113.
- 2003, Mundy, Martha and **Saumarez Smith, Richard**, "*Al-mahr zaytuna: property and family in the hills facing Palestine (1880-1940)*", in Beshara Doumani (ed.), *Family history in the Middle East: Household, property and gender*, New York: State University of New York Press, pp. 119-150.

Samar Zebian

- 2002, Zebian, S., "Triandis Award Address: How does a student of cultural psychology and cognitive science do both without feeling like she has left out the best of each tradition?" *Cross-cultural Psychology Bulletin*, 36: 24-30.
- 2003, Henningsen, M., & **Zebian, S.**, *High-level thinking, reasoning, and communication in Lebanese elementary mathematics classrooms: A preliminary*

Technical Report on the Fall 2002-2003 Classroom Observations of the M^Athematics instructional Reform for All in Lebanon (MARAL Project) (Tech. Rep. No. 1). Beirut, Lebanon, American University of Beirut, MARAL Project.

3. 2002, Zebian, S., Review of book *The Cultural Origins of Human Cognition*, *The Cognitive Science Society Quarterly Newsletter*. Retrieved from <http://www.cognitivesciencesociety.org/newsletter/March02/index.html>

G. FUTURE DEVELOPMENT

The psychology programs will continue to develop in response to an increasing demand from students and the public. 41 psychology students are expected to be admitted in the sophomore year in Fall 2003, compared with 3 in sociology-anthropology. In order to meet this demand the department has had to rely this last year upon part-time instructors for courses numbered 211 to 231. This will change as new faculty members are hired. In Fall 2003 three new faculty members will join the department in psychology, specialized in social psychology, clinical psychology and neuropsychology. The department still lacks a specialist in quantitative psychology, essential grounding for all psychology students, and it would like to add a specialist in industrial/organizational psychology for students interested in relating psychology to business.

Two particular directions of expansion in the psychology programs are in clinical psychology and cultural psychology. The applicability of Western paradigms to Arab culture is a topic that has attracted increasing research, which will be reflected in new course offerings. The interest in culture is appropriate in a department where psychology, sociology and anthropology are combined.

It is hoped that space for a psychology laboratory will be made available in Nicely by the beginning of the Fall semester 2003-04.

In sociology and anthropology future development is less certain. On the one hand recruitment of students in the joint sociology-anthropology undergraduate program must depend on the vitality of the service courses SBHS-101 and 201, since students have not generally encountered sociology in schools. The content of these courses will have to be reviewed as a matter of priority in order that they become more attractive to students. On the other hand interest in the two graduate programs of sociology and anthropology needs to be more effectively tapped outside the university. There is a need in government and non-government organizations for sociology graduates properly trained in quantitative methods, a full-time specialist in which the department still lacks. At the same time, recruitment to the anthropology graduate program would be increased, especially from outside Lebanon, if the department could find the funding to develop its web-page. As the boundaries between sociology and anthropology become increasingly less relevant in research on the Arab world, the department must consider whether it has the capability to maintain two separate programs.

Two visiting professors will be joining the faculty in 2003-04, Professor Ghassan Hage of the University of Melbourne, who has written books on migrants and the Lebanese diaspora, and Professor Bernard Boene of the University of Toulouse, a sociologist of war.

Discussions have continued all this year on the restructuring of graduate programs which will be finalized early in the new academic year. The purpose has been twofold. Firstly the psychology program has wanted students to develop their research topic in the first or second semester, so that it gains depth as they complete their course work and they are ready to defend their thesis proposal as soon as their comprehensive exams are over. This in turn will mean that the thesis itself can be completed in not much more than a semester. Secondly, the department has wanted to streamline the programs so that a student would realistically be able to complete both course-work and thesis in eighteen months to two years. This means making the course-work more programmatic, with basic courses in both theory and method being taken from the first semester, and the comprehensives completed after one year. Since AUB degrees are registered with the Education Department of the State of New York, whose graduate programs are of 30 credits with 6 or 9 credits for a thesis, it is not possible to streamline the graduate programs to less than eighteen months.

R. Smith
A/Chair