

Faculty Mentored Undergraduate Research Projects,
1994-95 Academic Year.

Emilia Lopez, Education and Community Programs, Fall 1994. The Use of Interpreters by School Psychologists: A National Survey of Practice and Training. The research problem here is that there are not enough bilingual school psychologists, and interpreters are often used (or not used). Participants in this project will help to plan and conduct a mail survey of current practices in the use of interpreters by school psychologists.

Jim Moore, Anthropology: Undergraduate Research in Irish Archaeology Fall and Spring, 1994, training in anthropological field methods, followed by trip to Ireland during the spring break of 1994 to examine fields just after they are plowed for neolithic artifacts. Last year students on this project discovered a previously unknown neolithic site. NOTE: airfare to Ireland is not funded, and participants will be responsible for this on their own.

Sheldon Aaronson, Biology. A Search for the Human Use of Microorganisms Across the Earth in the Present and in the Past. Participants in this project will search past records concerning past use of microorganisms as food or medicine. Students will be trained in archival research techniques, and use of computer-based databases, and will do original research of their own.

Pyong Gap Min, Sociology, Fall, 1994. Ethnic Attachment among Native-Born Chinese, Korean, and Indian Students at Queens College. Participants in this survey will conduct a survey of the ethnic attachment of second generation members of three major Asian national origins groups in New York City. This project seeks two students each of Chinese, Korean, and Indian background, as knowledge of language and culture are substantively important to the success of this study.

Ralph Della Cava, History, Spring 1995. Research Seminar on Cultural Change in Russia, 1985-1995. This project will focus particularly on changes in religion, the media, and the reform of scientific work. Students will receive training in use of resources and archives at the New York Public Library, and a good part of the research will take place there. Working knowledge of any Eastern European language is a plus, although many participants will do research entirely in English.

Mike Steffy, Anthropology, Fall and/or Spring, 1994-95. The Practical Culture Study Experience. In this project student will first apply anthropological concepts and research techniques to problems involved in teaching effectively in multicultural schools in Belize (formerly British Honduras) and in New York City. There is the possibility of travelling to Belize to do research there (but note that travel is not funded by the grant and is the responsibility of individual students).

June Bobb and Joan Nestle, English, Fall and/or Spring 1994-1995 Talking Texts: A Community of Readers and Caribbean Writers. The focus on this project is on contemporary Caribbean writers of fiction. Students will read a wide range of texts and take part in intensive discussions and critical analysis. Some of the writers will present their work to the group.

Mauricio Font, Sociology, Fall and or Spring, 1994-1995 The North American Free Trade Agreement: Collective Action and Policy Making. This is an ongoing project which seeks to analyze the reactions of interest groups to the North American Free Trade Agreement. One part of the study will focus on content analysis of full-text computerized databases from major American newspapers and also from selected Hispanic language newspapers. A second part will involve interviews with local organizations which are concerned about NAFTA.

Elaine Geller, Communications Arts and Sciences, Summer, 1995 Children's Narratives: A Cross-Cultural Perspective. This project will collect narratives from four groups of linguistically diverse pre-school children from Afro-American, Asian, Hispanic and mainstream American speaking children, and will develop analyses of similarities and differences. Students will receive training in the diverse theories which are used to analyze the development of narrative skills.

Bette Weidman, English, Spring, 1995 Seminar Workshop on the Revival and Maintenance of Contemporary American Indian Literature Students will do intensive reading and discussion of contemporary American Indian texts, accompanied by analysis of the impact of small presses which are assisting this striking renaissance.

Marian Fish, Education and Community Programs, Fall 1994. The Classroom Systems Observation Scale: Determining Inter-Observer Reliability. Development and testing of a research instrument for observing classroom teaching performance. Students will receive extensive training in scale construction and validation, and will help to test the instrument in classroom settings.

Max Kilger, Sociology, Fall, 1994. An Investigation of the Relationship between Gender and Perceptions of Computer Proficiency. Laboratory experiments in attitudes toward computer use. This project will involve training in experimental methods in sociology, and will involve participation in administration and conduct of experiments in one of the Sociology Computer Labs.

Undergraduate Research Participation in Chemistry. Eleven participating Chemistry Department faculty members are inviting undergraduate participation in their ongoing research projects. While the individual projects are too numerous to mention in detail here, if you are interested and have completed a minimum of three semesters in chemistry (generally through Chemistry 251), any indication of interest is likely to be followed up. Funded Fipse Faculty-Mentored Research Proposals

Sheldon Aaronson, Biology, Summer and Fall 1995: *A Search for the Human Use of Microorganisms Across the Earth in the Present and in the Past*. Participants in this project will search past records concerning past use of microorganisms as food or medicine. Students will be trained in archival research techniques, and use of computer-based databases, and will do original research of their own. Students will receive credit or stipends or both.

Alberto Cordero, Philosophy, Summer 1995: *Scientific and Pedagogic Uses of the History and Philosophy of Science*. In this project, students will receive intensive instruction in selected areas of the philosophy of science. The highlight of the summer will be participation for two weeks in a program of activities on scientific thought which will take place in Lima, Peru.

Zai Liang, Sociology, Fall 1995: *Intermarriage of Asians, Hispanics, and West Indians in New York City*. Five students will work intensively with Prof. Liang to study intermarriage among three Asian communities (Chinese, Korean, and Indian) and three Caribbean communities (Columbian, Dominican, and Jamaican). Students will be trained how to access and use census data, as well as how to use standard statistical packages.

Jim Moore, Anthropology, Fall and Spring, 1995-96: *Undergraduate Research in Irish Archaeology*. This project provides intensive training in anthropological field methods, followed by a trip to Ireland during the spring break of 1996 to examine fields just after they are plowed for neolithic artifacts. In the last trip, students on this project discovered a previously unknown neolithic site. NOTE: airfare to Ireland is not funded, and participants will be responsible for this on their own.

Bob Kapsis, Sociology, Fall 1995: *Hollywood Film Masters*. This research project will concentrate on five Hollywood film directors (Eastwood, Spielberg, Scorsese, Allen, and Capra), and will provide essential contributions to Prof. Kapsis' interdisciplinary multimedia on leading directors. Students will be trained to do research on selected aspects of each director's career and work.

Alice Sardell & Madhulika Khandelwal, Urban Studies, Summer 1995: *Urban Health Institutions & Immigrant Communities*. A research project on the health care needs of multi-ethnic diverse immigrant communities in Elmhurst-Corona and Sunset Park. Students will be trained to do research on demographics and health care needs using both computer-based resources and field methods.

Amy Tucker, English, Fall 1995: *Reading Across Cultures*. The focus of this project will be intensive exploration of the ways in which students read and write about literature across cultures. The particular works under study will be well-known, but the cross-cultural material they represent will not have received adequate critical attention. Each participant will research and gather materials which illuminate the linguistic and cultural context. Students will receive credit or stipends or both.

Fredda Brown (Educational & Community Programs) and Sima Gerber (Communications Arts & Sciences), Spring and Summer, 1996. *Development of a*

Tool to Assess Language-Communication and Social Interaction Opportunities in Preschool Environments for Children with Autism. Students in this project will review the literature on educational models used with autistic children, engage in systematic onsite observation of field situations in order to develop a tool to evaluate how well the various models may work, and finally field test and revise the evaluational tool.

Art Baker, Bob Engel, Tom Strekas (Chemistry), Spring 1996. *Intensively Mentored Undergraduate Research in Chemistry*. In this project, three faculty members and two graduate students will work with six undergraduates to develop models for effective undergraduate mentoring in chemistry. The emphasis for students will be on their particular research projects selected in consultation with faculty members and graduate students.

Basil Browne, Sociology, Spring 1996. *Social Implications of Increased Gambling: Ethnographic Studies of Quick Draw and Televised Horse Racing*. In this project, students will be trained to do field work at two types of research sites (simulcasting locations and quick draw sales points) and to analyze and report the results of their field work. They will also contribute to and help review two conference papers on this rapidly changing new topic in sociology.

Alberto Cordero, Philosophy, Spring 1966. *Scientific Thought: Preparing Two Works on the Philosophy of Science for Publication*. In this project, students will receive intensive instruction on what is needed to prepare two scholarly textbooks for publication. The first volume is tentatively entitled The Rise of Modern Science, and the second Philosophy, Relativity, and Quanta. Students will be actively engaged in transcribing tapes, evaluating the quality of the texts and the overall coherence of the volumes.

Mauricio Font, Sociology, Spring 1996. *The NAFTA Decision in Mexico: Collective Action and Influence*. Building on prior research on the USA, students will study various resources to reveal the way in which Mexico came to favor the North American Free Trade Agreements during 1991-1993. Students will be trained on content analysis of thirty-two Mexican periodicals, and in management of the resulting database.

Carmenza Gallo, Sociology, Spring 1996: *Immigrant Women and Family Change*. This project will concentrate on the effects of immigration on women and family relations. Greater labor force participation and new relationships between men and women are a central focus here. Students will be trained in semi-structured interview techniques and will conduct interviews and will also do intensive reviews of the literature in this field.

Deborah Geis, English, Spring 1996 *A Forum Theater Workshop*. In this research/workshop, students will explore in depth the exercises, theatrical techniques, and background to Boal's Forum Theater. These will be used to investigate the ways we tend to create and reinforce assumptions about appropriate discourse, including such institutional spaces such as classrooms.

Bob Kapsis, Sociology, Summer 1996: *Hollywood Film Masters* This research project will concentrate on several Hollywood film directors (Hitchcock, Eastwood, Spielberg, Scorsese, Altman, Woody Allen, and Spike Lee), and will provide essential contributions to Prof. Kapsis' multimedia CD-ROMS on leading directors. Students will be trained to do research on selected aspects of each director's career and work and will also learn about construction of multimedia resources.

Michael Krasner, Political Science, Spring 1996. *CUNYWATCH: A Study of Political Participation*. Students will learn participant observation and survey research as part of an investigation of grass-roots political participation and lobbying. The particular focus of the research will be political activism in defense of public higher education.

Ken Lord, Computer Science, Summer, 1996. *Revision of Computers and Programming Course*. The intended outcome of this project is a complete revision of the Computers and Programming Course (CS 201), which deals with 'assembly language'. Students will work to develop hypermedia courseware on the World Wide Web and will learn HTML, CGI, Perl, and other techniques to assist in the creation of the Web pages for this course.

June Miller (Secondary Education) and Bon Sy (Computer Science), Spring 1996. *Synergistic Learning and Teaching via an Intelligent Learning Environment for Non-Traditional CS1 and Pre-Teacher Students*. In this project, pre-service science students will be exposed to instructional applications of computer technology and ways to tailor them to improve learning for non-traditional students. A primary focus will be redesigning introductory computer science materials to help students learn better.

Pyong Gap Min, Sociology, Spring 1996. *Ethnic Attachment Among Asian Immigrants* Students in this project, which will investigate the degree of continuing ethnic attachment among Chinese, Indian, and Korean immigrants, will be trained in several aspects of survey research, including both mail surveys and interviewing. Knowledge of any Asian languages will help in this research.

Jim Moore, Anthropology, Spring, 1996: *Undergraduate Research in Irish Archaeology*. This project provides intensive training in anthropological field methods, followed by a trip to Ireland during the spring break of 1996 to examine fields just after they are plowed for neolithic artifacts. In the last trip, students on this project discovered a previously unknown neolithic site. NOTE: airfare to Ireland is not funded, and participants will be responsible for this on their own.

Melvin Reichler, Sociology, Spring 1996. *Research in Applied Sociology*. In this project, students will both be trained in the skills necessary for applied sociology and also help to develop the curriculum for an undergraduate course in applied sociology which could be taught in the department in the future. The emphasis will be on the college as the arena in which applied sociological skills can be employed.

Gloria Sawicki, Romance Languages, Spring 1996. *Exploring the Literature of the French Speaking World*. Participants in this project will work with Dr. Sawicki to

develop a course on the literature of the French-speaking world. After collecting, examining, and evaluating a variety of materials on francophone literature, each researcher will select one country for an in-depth study of its major authors and literary themes.

Joyce Tang, Sociology, Spring 1996. *Trends Among Recipients of Doctorates from 1976 to 1994: Race and Citizenship.*

Students in this project will be trained in analysis of an important large-scale data set on people who have earned the PhD in the last two decades. In addition to reviewing the literature in this field, students will also receive basic training in the use of a statistical package and in the careful analysis and write-up of reports.