UNIVERSITY FACULTY SENATE

SUMMARY OF AGENDA

MARCH 6, 1995

I. ADOPTION OF THE AGENDA

II. APPROVAL OF THE MINUTES: February 6, 1995

III. REMARKS BY UNIVERSITY PROVOST SCHIAVELLI: Reductions in funds for temporary faculty will be discussed

IV. ANNOUNCEMENTS: Senate President McLaughlin

ANNOUNCEMENTS FOR CHALLENGE

1. Revision of the major in Agricultural Business Management: Food Marketing
2. Revision to the minor in Agricultural Business Management/Agricultural Economics
3. Revision of the major in Agricultural Economics
4. Revision of the major in Agricultural Education
5. Revision of the major in Food Science
6. Revision of the B.A. in English: Addition of concentration in Ethnic and Cultural Studies
7. Revision of the B.A. and B.S. in Computer and Information Sciences
8. Revision of the minor in Computer Science
9. Revision of the B.S. in Human Resources:
   a. Dietetics
   b. Nutritional Sciences

V. OLD BUSINESS - None

VI. NEW BUSINESS

A. Recommendation for the permanent status of the B.S. in Biochemistry

B. Recommendation for the permanent status of the B.A. in History, Journalism Concentration

C. Recommendation for the permanent status of the B.A. in Earth Sciences Education

D. Recommendation for the reorganization of the School of Life and Health Sciences

E. Recommendation on amending the Faculty Handbook concerning the policy on Student Class Attendance

F. Introduction of new business
February 24, 1995

TO: All Faculty Members

FROM: Thomas S. Angell, Vice President
University Faculty Senate

SUBJECT: Regular Faculty Senate Meeting, March 6, 1995

In accordance with Section IV, paragraph 6 of the Constitution, the regular meeting of the University Faculty Senate will be held on Monday, March 6, 1995 at 4:00 p.m. in room 110 Memorial Hall. The agenda will be as follows:

AGENDA

I. Adoption of the Agenda.

II. Approval of the minutes of the Senate meeting of February 6, 1995.

III. Remarks by University Provost Schiavelli: Reduction in funds for temporary faculty will be discussed.

IV. Announcements: Senate President McLaughlin

Announcements for Challenge

1. Revision of the major in Agricultural Business Management: Food Marketing (Attachment 1)

2. Revision to the minor in Agricultural Business Management/Agricultural Economics (Attachment 2)

3. Revision of the major in Agricultural Economics (Attachment 3)

4. Revision of the major in Agricultural Education (Attachment 4)

5. Revision of the major in Food Science (Attachment 5)

6. Revision of the B.A. in English: Addition of concentration in Ethnic and Cultural Studies (Attachment 6)

7. Revision of the B.A. and B.S. in Computer and Information Sciences (Attachment 7)
8. Revision of the minor in Computer Science (Attachment 8)

9. Revision of the B.S. in Human Resources: (Attachment 9)
   a. Dietetics
   b. Nutritional Sciences

V. Old Business - None

VI. New Business

A. Recommendation from the Committee on Undergraduate Studies (R. Singleton, Chairperson), with the concurrence of the Coordinating Committee on Education (H. Hall, Chairperson), for the permanent status of the B.S. in Biochemistry. (Attachment 10)

   WHEREAS, the Bachelor of Science degree program in Biochemistry has been reviewed and public hearings have been held, and

   WHEREAS, the appropriate Faculty Senate committees have recommended that this program be given permanent status, be it therefore

   RESOLVED, that, effective immediately, the Bachelor of Science degree program in Biochemistry be granted permanent status.

B. Recommendation from the Committee on Undergraduate Studies (R. Singleton, Chairperson), with the concurrence of the Coordinating Committee on Education (H. Hall, Chairperson), for permanent status of the B.A. in History, Journalism Concentration. (Attachment 11)

   WHEREAS, the Bachelor of Arts degree in History with a concentration in Journalism has been reviewed and public hearings have been held, and

   WHEREAS, the appropriate Faculty Senate committees have recommended that this program be given permanent status, be it therefore

   RESOLVED, that, effective immediately, the Bachelor of Arts degree in History with a concentration in Journalism be granted permanent status.

C. Recommendation from the Committee on Undergraduate Studies (R. Singleton, Chairperson), with the concurrence of the Coordinating Committee on Education (H. Hall, Chairperson), for permanent status of the B.A. in Earth Science Education. (Attachment 12)
WHEREAS, the Bachelor of Arts degree in Earth Science Education has been reviewed and public hearings have been held, and

WHEREAS, the appropriate Faculty Senate committees have recommended that this program be given permanent status, be it therefore

RESOLVED, that, effective immediately, the Bachelor of Arts degree in Earth Science Education be granted permanent status.

D. Recommendation from the Coordinating Committee on Education (H. Hall, Chairperson), for the reorganization of the School of Life and Health Sciences. (Attachment 13)

WHEREAS, the faculty of the School of Life and Health Sciences has endorsed the plan to dissolve the School into separate departments, and

WHEREAS, the Coordinating Committee on Education has recommended that the proposed plan be followed, and

WHEREAS, the proposal for the new Department of Medical Technology to move from the College of Arts and Science to the College of Nursing is acceptable to the Deans of the respective colleges and the Provost, be it therefore

RESOLVED, that the Faculty Senate approves the proposed dissolution of the School of Life and Health Sciences into the Department of Biology and the Department of Medical Technology, and be it further

RESOLVED, that the Faculty Senate approves the relocation of the Department of Medical Technology from the College of Arts and Science to the College of Nursing.

E. Recommendation from the Committee on Student Life (B. Scott, Chairperson) on amending the Faculty Handbook concerning the policy on "Student Class Attendance."

WHEREAS, the current policy on Student Class Attendance has posed a large burden upon the Student Health Services to provide letters verifying illness of various levels of severity, often when verification is not possible, and

WHEREAS, serious illness was undefined in the old policy and serious illness in a student’s family was not
WHEREAS, Deans’ offices have been informing faculty of major illnesses and deaths in the families of students de facto, and this method achieves a desirable level of security, be it therefore

RESOLVED, that Section II, Conduct of the Academic Program, page II-8, paragraph 7, "Student Class Attendance" be amended as follows: [Additions are in bold type]

By action of the University faculty, the responsibility for defining attendance expectations is left to the individual faculty member, subject to the guidelines given below. Thus it is of great importance that early in each course the instructor make clear to each student what attendance expectations are, and how absences due to "relatively minor" illnesses, as described below, are to be communicated. The use of the syllabus to list attendance expectations and means of communicating about illnesses is recommended.

[Second paragraph and subparagraphs a and b remain unchanged]

c. Absences due to serious illness or death within a student’s family are recognized as excused absences. To validate such absences, the student should present evidence to the Dean’s Office of his or her college. The Dean’s Office will then provide a letter of verification to all of the student’s instructors for the term.

d. Absences due to serious illness (e.g. hospitalization, surgery, or protracted medical illness or convalescence) shall also be recognized as excused absences. To validate such absences, the student should present evidence of the illness to the Dean’s office of his or her college. Supportive evidence will be provided on the student’s request by the Student Health Service directly to the respective Deans.

For relatively minor, short-term illnesses (e.g. colds and flu, where attendance in class is undesirable), the University system depends upon reasonable communication between students and faculty. If possible, students should report such illnesses before the affected class, following the directions of the instructor provided at the start of the term.

[subparagraph d becomes e]
F. Such items as may come before the Senate. (No motion introduced under new business, except a motion to refer to committee, shall be acted upon until the next meeting of the Senate.)

TA/rg
Attachments: Committee Activities Report
1. Revision of the major in Agricultural Business Management
2. Revision to the minor in Agricultural Business Management/Agricultural Economics
3. Revision of the major in Agricultural Economics
4. Revision of the major in Agricultural Education
5. Revision of the major in Food Science
6. Revision of the B.A. in English
7. Revision of the B.A. and B.S. in Computer and Information Sciences
8. Revision of the minor i Computer Science
9. Revision of the B.S. in Human Resources
10. B.S. in Biochemistry
11. B.A. in History
12. B.A. in Earth Science
13. Reorganization of the School of Life and Health Sciences
COMMITTEE ACTIVITIES REPORT

ACADEMIC APPEALS, COMMITTEE ON (Palaniappa Krishnan)

Committee currently has 1-2 appeals pending

CULTURAL ACTIVITIES AND PUBLIC EVENTS, COMMITTEE ON (Juliet Dee)

No items currently before the committee

DIVERSITY AND AFFIRMATIVE ACTION, COMMITTEE ON (Hilton Brown)

Will be holding a hearing review on five years of compliance with the University's Affirmative Action Plan presented by Judith Gibson and Ronald Whittington.

GRADUATE STUDIES, COMMITTEE ON (Kenneth Koford)

1. Discussing the merger of Food Science and Animal Science Departments
2. Discussing request for permanent status for Ph.D. in Art Conservation Program
3. Discussing status of research seminars at U.D.—seminars with speakers presenting current research

RETIRING, RETIRED AND EMERITI FACULTY, SUBCOMMITTEE ON (Robert Day)

Discussing clarification of draft statement for "University of Delaware Benefits for Retired Employees" brochure published by the Benefits Office

STUDENT AND FACULTY HONORS, COMMITTEE ON (Robert Taggart)

1. Revising and extending Honors Day activities
2. Reviewing the C.A.S.E. Award for faculty
3. Soliciting nominations for the Excellence in Teaching and Excellence in Undergraduate Academic Advising Awards

STUDENT LIFE, COMMITTEE ON (Bonnie Kime Scott)

1. Reworking section on weapons, firearms and explosive chemicals or devices in "Student Code of Conduct"
2. Discussing suggestions for changes in Student Handbook concerning judicial policies

/wc
ATTACHMENT 1

ATTACHMENT 2

REQUIREMENTS FOR A MINOR IN AGRICULTURAL BUSINESS MANAGEMENT/AGRICULTURAL ECONOMICS

The minor in Agricultural Business Management/Agricultural Economics requires 18 credits of courses with the FREC prefix including FREC 120 and FREC 201. Four additional courses are required including at least one course from each of the following three areas:

Curriculum

1. Marketing/International Trade/Finance/Markets

FREC 312 Food Marketing and Wholesaling
FREC 404 Food Marketing and Wholesaling
FREC 410 International Agricultural Trade and Marketing
FREC 441 Futures Markets and Commodity Markets

2. Production/Management

FREC 330 Farm Management
FREC 403 Agricultural Production Economics
FREC 406 Agricultural Policy
FREC 408 Research Methods
FREC 427 Agribusiness/Financial Management

3. Resource Development

FREC 420 Agriculture in Economic Development
FREC 424 Resource Economics/Policy Theory
FREC 429 Rural Development Theory and Policy
FREC 444 Economics of Environment Management

A minimum grade of C is required in all courses counting toward the minor. Credits for FREC 405, FREC 435, FREC 630, Independent Study, and Field Experience do not apply.
DEGREE: Bachelor of Science in Agriculture
MAJOR: Agricultural Economics

CUMULATIVE

UNIVERSITY REQUIREMENTS

ENGL 110 Critical Reading and Writing** 3.4
Three credits in an approved course or courses approved by one's college or department.

COLLEGE REQUIREMENTS

Mathematics and Computer Science

Mathematics course (MATH 115 or higher level) 3.4

Agricultural and Biological Sciences

Minimum of one course outside the student's major in three of the following areas: Food Science, Agricultural Engineering, Animal Science, Environment, and Applied Ecology, Plant and Soil Sciences, or Biology.

Literature and Arts

Six credits selected from the general areas of English, Art, History, Communication, Music, Theatre, or Foreign Language.

Social Sciences and Humanities

Minimum of one course in each of the following areas: Anthropology, Black American Studies, Criminal Justice, Economics, Education, Geography, History, Philosophy, Political Science, Psychology, Sociology, or Women's Studies.

PHYSICAL SCIENCES

Minimum of eight credits chosen from two of the following areas: Chemistry, Physics, Geology, or Physical Science.

MAJOR REQUIREMENTS

External to the College

COMM 312 Oral Communication in Business 3.4
ENGL 312 Written Communications in Business 3.4
ECON 151 Introduction to Microeconomics 3.4
ECON 152 Introduction to Macroeconomics 3.4
ECON 302 Money, Credit, and Banking 3.4
ECON 300 International Macroeconomics Theory 3.4
ECON 303 Intermediate Microeconomic Theory 3.4
Two additional courses offered by the College of Business and Economics at the 300 level or higher 6.4

Today's Academic Requirements of Agricultural and Natural Resources

1. Business/International Trade

PREQ 404 Food Marketing and Trade 3.4
PREQ 410 International Agricultural Agreements and Trade 3.4
PREQ 441 Futures Marketing and Agribusiness Management 3.4

2. Production/Management

PREQ 402 Production Economics 3.4
PREQ 406 Agricultural Policy 3.4
PREQ 408 Research Methods 3.4
PREQ 427 Agribusiness Economics and Management 3.4

3. Resources/Environmental

PREQ 420 Agriculture in Economic Development 3.4
PREQ 424 Resource Economics—Theory and Policy 3.4
PREQ 429 Rural Economic Development—Theory and Policy 3.4
PREQ 444 Economics of Environmental Management 3.4
PREQ 455, PREQ 435, PREQ 430, and independent study may not exceed six credits.

A maximum of three credits of independent study in Food and Resource Economics and a maximum of six credits of independent study in all areas, including Food and Resource Economics, may be counted toward a degree.

ELECTIVES

May include Military Science, Music, or Physical Education. Only four credits of activity type Physical Education and/or four credits of performing Music organization credit may be counted toward the degree.

CREDITS TO TOTAL A MINIMUM OF 130

AT&TACHMENT 4

DEGREE: Bachelor of Science in Agriculture
MAJOR: Agricultural Education

CUMULATIVE

UNIVERSITY REQUIREMENTS

ENGL 110 Critical Reading and Writing** 3.4
Three credits in an approved course or courses approved by the student's major in one of the following areas: Multicultural, ethnic, or gender-related course.

COLLEGE REQUIREMENTS

Mathematics and Computer Science

Mathematics course 3.4

Agricultural and Biological Sciences

Minimum of one course outside the student's major in three of the following areas: Food Science, Agricultural Engineering, Animal Science, Environment, and Applied Ecology, Plant and Soil Sciences, or Biology.

Literature and Arts

Nine credits from English and/or Communication.

Social Sciences and Humanities

Nine credits from the following areas: Anthropology, Black American Studies, Criminal Justice, Economics, Education, Geography, History, Philosophy, Political Science, Psychology, Sociology, or Women's Studies.

PHYSICAL SCIENCES

Minimum of six credits chosen from one of the following areas: Chemistry, Physics, Geology, or Physical Science.

MAJOR REQUIREMENTS

External to the College

PSY 304 Educational Psychology—Social Aspects 3.4
PSY 305 Educational Psychology—Cognitive Aspects 3.4
EDV 400 Student Teaching 3.4

Today's Academic Requirements of Agricultural and Natural Resources

Within the College

A 2.75 index at least thirty credits of technical agriculture 30.4
Less than thirty credits in the college.

Within the Department

Professional Education

AGED 380 Agricultural Education Materials and Approaches I 3.4
AGED 381 Agricultural Education Materials and Approaches II 3.4

ELECTIVES

May include Military Science, Music, or Physical Education. Only four credits of activity type Physical Education and/or four credits of performing Music organization credit may be counted toward the degree.

CREDITS TO TOTAL A MINIMUM OF 130

AT&TACHMENT 5

DEGREE: Bachelor of Science in Agriculture
MAJOR: Food Science

Introduce alternative course CHEM 527
(Introductory Biochemistry...3)
for CHEM 419 Introductory Physical Chemistry

NEW REQUIREMENT WILL READ:
CHEM 419 Introductory Physical Chemistry...3 OR
CHEM 527 Introductory Biochemistry...3
Requirements for Major in English
Ethnic and Cultural Studies

CORE SEQUENCE
All majors must complete five of the following six courses:

- ENGL 202—Biblical and Classical Literature
- ENGL 205—Great English Writers I
- ENGL 206—Great English Writers II
- ENGL 300—Texts and Contexts*
- ENGL 324—Shakespeare
- ENGL 340—American Literature to the Civil War

OR

- ENGL 341—American Literature: Civil War to World War II

*Concentrators in Ethnic and Cultural Studies MUST include ENGL 300 as one of the five courses chosen.

LITERATURE COURSES
In addition to the core sequence, English majors concentrating in Ethnic and Cultural Studies must take 3 literature courses:

- one 300- or 400-level course in literature from the medieval period to 1900 (excluding ENGL 324);
- one 300- or 400-level course in Modern literature or Cultural/Theoretical studies;
- one 200-, 300-, or 400-level literature course.

ETHNIC AND CULTURAL STUDIES COURSES
In addition to ENGL 300, students concentrating in Ethnic and Cultural Studies must also take the following courses:

- ENGL 379—Introduction to Ethnic and Cultural Studies
- ENGL 382—Studies in Multicultural Literature (may be repeated for credit when topics differ)

Two other courses at the 300-level or above, to be chosen in consultation with your concentration advisor.

ONE OF THE COURSES SELECTED UNDER "LITERATURE COURSES" OR "ETHNIC AND CULTURAL STUDIES COURSES" MUST BE A 400 SEMINAR.

IMPORTANT NOTES
ENGL 307, 308, 309, 310, 407, 409 count toward the English major only as part of the concentration in Journalism; ENGL 312, 410, 411, 412, 413, 414, 415, 464 count toward the English major only as part of the concentration in Business and Technical Writing.

ENGL 200, 204, 210, 301, 365 do not count toward the English major.
DEGREE: BACHELOR OF ARTS
MAJOR: COMPUTER AND INFORMATION SCIENCES

CURRICULUM

CREDITS

See page 70 for University and College requirements.

MAJOR REQUIREMENTS

Within the Department

CISC 180 Introduction to Computer Science I ........................................... 3
CISC 181 Introduction to Computer Science II ........................................... 3
CISC 220 Data Structures ........................................................................... 3
CISC 260 Machine Organization and Microcomputers ............................... 3
CISC 260 Machine Organization and Microcomputers ............................... 3
CISC 260 Machine Organization and Microcomputers ............................... 3
Eighth credits of Computer Science numbered 301 or above, approved by the student's advisor.

Within the College

MATH 210 Discrete Mathematics I ............................................................ 3
MATH 241 Analytic Geometry and Calculus A .......................................... 3
MATH 315 Discrete Mathematics II ............................................................ 3

ELECTIVES

Electives

After required courses are completed, sufficient elective credits must be taken to meet the minimum credit requirement for the degree.

CREDITS TO TOTAL A MINIMUM OF ....................................................... 124

Marked passage to be replaced by

Within the Department

CISC 181 Introduction to Computer Science ............................................. 3
or
CISC 105, CISC 120 General Computer Science, and Object Oriented Programming in C++ 3
then
CISC 220 Data Structures ........................................................................... 3
CISC 260 Machine Organization and Microcomputers ............................... 3
CISC 280 Programming Basics ................................................................... 3

OLD

ATTACHMENT 8

NEW

MARKED PASSAGE TO BE REPLACED BY

ELECTIVES

Electives

After required courses are completed, sufficient elective credits must be taken to meet the minimum credit requirement for the degree.

CREDITS TO TOTAL A MINIMUM OF ....................................................... 124

Marked passage to be replaced by

Within the Department

CISC 181 Introduction to Computer Science ............................................. 3
or
CISC 105, CISC 120 General Computer Science, and Object Oriented Programming in C++ 3
then
CISC 220 Data Structures ........................................................................... 3
CISC 260 Machine Organization and Microcomputers ............................... 3
CISC 280 Programming Basics ................................................................... 3

AND

ELEC 202 INTRODUCTION TO DIGITAL SYSTEMS

OR

ELEC 210 & ELEC 211

INTRODUCTION TO COMBINATIONAL LOGIC

INTRODUCTION TO SEQUENTIAL CIRCUITS

(2 credits each)
ATTACHMENT 9a

DEGREE: BACHELOR OF SCIENCE IN HUMAN RESOURCES
MAJOR: NUTRITION SCIENCES

CURRICULUM

UNIVERSITY REQUIREMENTS

ENGL 110 Critical Reading and Writing** 3 6
These credits in an approved course or courses covering
multicultural, foreign, and/or gender-related content.

MAJOR REQUIREMENTS

External to the College

Humanities electives 24

Science

CHEM 101 General Chemistry 4
CHEM 102 General Chemistry 4
CHEM 103 General Chemistry 4
CHEM 104 General Chemistry 4
CHEM 212 Elementary Organic Chemistry 4
CHEM 214 Elementary Biochemistry 4
CHEM 216 Introductory Biochemistry Laboratory 1

BISC 103 General Biology 4
BISC 113 General Biology Laboratory 1

BISC 207 Introductory Biology I 4

BISC 208 Introductory Biology II 4
BISC 216 Human Anatomy and Physiology I 4
BISC 217 Human Anatomy and Physiology II 4
BISC 218 Human Anatomy and Physiology III 4

BISC 406 Human Physiology 4

BISC 408 Psychology 4

Social Sciences

ECON 151 Introduction to Economics 3

PSCS 201 General Psychology 3

Elec. Social Science 3

BUS 301 Business Administration 3

Electives 18-20

ELECTIVES

Electives 1

Human Resources electives 18

Sociology requirement to be replaced by:

SOC 201, 202, 203, 204, 209, 210, 242, 243, 310,

or PSYC 303

and marked credit changes

ATTACHMENT 9b

DEGREE: BACHELOR OF SCIENCE IN HUMAN RESOURCES
MAJOR: NUTRITION SCIENCES

CURRICULUM

UNIVERSITY REQUIREMENTS

ENGL 110 Critical Reading and Writing** 3 6
These credits in an approved course or courses covering
multicultural, foreign, and/or gender-related content.

MAJOR REQUIREMENTS

External to the College

Humanities electives 24

Science

CHEM 103 General Chemistry 4
CHEM 104 General Chemistry 4
CHEM 212 Organic Chemistry Laboratory 2
CHEM 214 Organic Chemistry Laboratory 2
CHEM 216 Introductory Biochemistry Laboratory 1
BISC 207 Introductory Biology I 4
BISC 208 Introductory Biology II 4
BISC 406 Human Physiology 4
BISC 416 Human Anatomy and Physiology Laboratory 4
BISC 417 Introduction to Microbiology 4

CHEM 214 General Chemistry 4
CHEM 216 General Chemistry Laboratory 1

BISC 207 Introductory Biology I 4

BISC 208 Introductory Biology II 4
BISC 216 Human Anatomy and Physiology I 4
BISC 217 Human Anatomy and Physiology II 4
BISC 218 Human Anatomy and Physiology III 4

BISC 406 Human Physiology 4

BISC 408 Psychology 4

Social Sciences

ECON 151 Introduction to Microeconomics 3

PSCS 201 General Psychology 3

Elec. Social Science 3

BUS 301 Business Administration 3

Electives 18-20

ELECTIVES

Electives 1

Human Resources electives 18

Sociology requirement to be replaced by:

SOC 201, 202, 203, 204, 209, 210, 242, 243, 310,

or PSYC 303

and marked credit changes

Changes in credit hours as marked.
ATTACHMENT 10

August 31, 1994

REPORT ON BIOCHEMISTRY MAJOR

The College of Arts and Science Faculty Senate has established an extensive review process for considering whether major programs should be moved from temporary to permanent status. A subcommittee was formed, consisting of Frank Dilley (Chair), Robin Morgan, Jon Olson, and John D. Tournier, and a set of questions was sent to the Chemistry Department and a detailed report was prepared by Hal White to assist in the review process, and questionnaire analyses were mailed to all graduates of the program and all undergraduate majors currently in the program.

The subcommittee met with Hal White to review the findings from the questionnaires and to discuss issues raised by his report, and is pleased to report that the Biochemistry major seems to be in excellent shape, well worthy of being granted permanent status. We have no hesitation in recommending that the Biochemistry Major be approved for permanent status.

The subcommittee does have two concerns to report. First, there is concern that the staffing of the program will be inadequate in the future if current faculty, retiring or on probationary status, are not replaced or tenure as the case may be. Second, the program needs to be strengthened to serve the needs of the students and to more nearly approximate the "Recommended Program" suggested by the American Society of Biochemists and Molecular Biologists and the Biochemistry Section of the American Chemical Society.

We have examined the rationale for the structure of the program, the patterns of course offerings, the course enrollments, and the rapid growth in the number of Biochemistry Majors, and it is our view that the Biochemistry Faculty have created an excellent program which should enjoy a long life. Indeed, the evidence shows that the number of Biochemistry majors has already surpassed the number of regular majors and is likely to continue to grow into an even larger percentage of the total. It is gratifying to note that none of the courses offered in the program in the last three years has had enrollment problems.

Moreover, the questionnaire responses indicated an astonishing degree of consensus on the part of students and graduates that the program really lives up to its description and provides suitable training for careers in the profession.

The few complaints reinforced Professor White's written comments that there are needs for a regularized introductory Biochemistry course and an advanced Biochemistry lab course.

Given the fact that one retirement is occurring, and that two junior faculty are in the last years of their contracts unless promoted, the staffing problem is a matter of some urgency. The subcommittee finds it difficult to believe that the present high level of instruction could be continued if the number of faculty involved in the program is diminished. Additionally, the Biochemistry course now being funded from a development grant will need to be moved to base budget support and taught on load.

The subcommittee notes that the program as presently constituted does not mandate the taking of two advanced biology courses as is suggested in the "Recommended Biochemistry Undergraduate Degree Requirements" but lists them as voluntary. It commends the department on instituting a Biochemistry Lab and hopes that a way can be found to teach it in regular sessions and on the regular budget. It further suggests that the Chemistry Department explore the introduction of a section of Physical Chemistry for Life Science and Biochemistry majors, which would advance the effort to provide Biochemistry courses below the advanced level.

We have attached four supporting documents, a description of the program, a report showing enrollments in courses through the Fall of 1993, and the annotated results of the two surveys conducted of current undergraduate majors and graduates of the program.

Our recommendation is that the program be granted permanent status.

Frank Dilley, Chair
Robin Morgan
Jon Olson
REPORT: SUBCOMMITTEE FOR HISTORY/JOURNALISM PROGRAM
Date: May 4, 1994

MEMBERS:

Judy Kennedy (Mathematics, Liaison with Academic Planning and Program Evaluation Committee)

Jan Blits (Educational Studies, Reviewer)

Sally Bould (Sociology, Reviewer)

Ken Campbell (Political Science, Reviewer)

The B.A. Degree in History/Journalism is a history major with an additional concentration in journalism courses. Thus, it offers a liberal arts education with a significant professional component. Delaware does not offer a journalism major: students can formally or informally major in English, history, or political science and take a concentration in journalism, but they cannot major in journalism. The rationale for the major, according to Professor Pong, is the following: "[H]istory provides essential skills to those who practise journalism. As a discipline, history enables the observer-reporter to see contemporary events in perspective, to understand and help the reader to understand their historical roots, and to research and analyze relevant data logically and sequentially. As subject matter, history provides the practitioner with a readily accessible body of knowledge crucial to most indepth journalistic endeavors, be they pieces on current events or reviews on artistic or literary works."

The Subcommittee recommends that the B.A. Degree in History/Journalism be granted permanent status. It felt that the approach of journalism from a historical perspective is a valid one, and it liked the fact that the degree offers a liberal arts education combined with practical, career oriented preparation for jobs in journalism or public relations. The program is a small one, and is relatively inexpensive for the University to run (although it is not free, given the extra input of time and effort required on the part of both the history and journalism professors). The Subcommittee had some criticisms of the program as well: Both the graduates and current undergraduates appear to be falling, as a whole, to make the connection between history and journalism. In particular, there seems to be a problem with advisement. Probably this is a result of the major being shared by two departments, and faculty in one department not being sufficiently knowledgeable about relevant goings-on in the other department. The Subcommittee recommends (1) that an effort be made to improve advisement of students in the program, and (2) if possible, the creation of an upper level synthesizing course for this major.
April 30, 1994

To: Judy A. Kennedy, Chair, Academic Planning and Program Evaluation Committee

From: Kathleen Tierney

RE: Permanent Status for the Earth Science Education Major

The Earth Science Education major was assessed by a subcommittee that I chaired. The other members of the subcommittee were Prof. Gregory Moe, Chemistry and Biochemistry; Robin Morgan, Animal Science/Ag Biochemistry; and David Smith, Life and Health Sciences. In making its evaluation, the subcommittee considered a self-assessment that was provided by Professors Billy Glass and Allan Thompson of Geology; results of questionnaires completed by majors and graduates of the program (although there were only a total of eight responses, too small a number from which to draw conclusions); and material on course enrollments over the past five years, provided by the University’s Office of Institutional Research and Planning. The committee also met with Professors Glass and Thompson on April 27 to discuss the goals and accomplishments of Earth Science Education program.

It was the unanimous decision of the committee that the Earth Science Education major is accomplishing its goals and filling a real educational need, and that it therefore ought to be given permanent status within the University. The rationale for that recommendation is outlined below.

The program has established itself, attracted students, and gained recognition from the broader science education community. Since 1986, enrollment in the major has risen steadily. There are now 12 majors, and a total of 18 students have graduated with a major in Earth Science Education. Students do well academically, with grade point averages that are comparable to or better than majors in the various sciences the major spans; a 2.75 GPA is required for admission, which is higher than the requirement for the disciplines included in the major.

The National Association of State Directors of Teacher Education Curricula (NASDTEC), one of the major accrediting agencies in science education, assessed the program in 1990 and determined that the program met its standards. NASDTEC accreditation covers 30 states and the District of Columbia; thus, when students graduate from Delaware with a major in Earth Science Education, they are certified to teach in a large number of school districts across the U.S. It is very important that newly-trained teachers be geographically mobile, and the fact that the Earth Science Education program has NASDTEC approval is a definite strength.

A market exists for graduates of the major. Graduates of the program find jobs and do well in them. There is a growing need for earth science educators not only within the state of Delaware but also within the region. In the future, school districts will increasingly be looking for teachers who are knowledgeable and certified in this area of specialization. Delaware is currently the only Mid-Atlantic institution that provides training in secondary-school earth science education.

The program is cost-effective. Majors in earth science education take the regular courses offered in the disciplines the major encompasses, which include geology, geography, physics, chemistry, and other sciences. Virtually no additional costs are associated with offering the major. Although small compared to many others on campus, the major is filling a demonstrated need at minimal cost.

| DEGREE: BACHELOR OF ARTS |
| MAJOR: EARTH SCIENCE EDUCATION |

CURRICULUM

See page 70 for University and College requirements.

MAJOR REQUIREMENTS

<table>
<thead>
<tr>
<th>Within the Department</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOL 105 General Geology</td>
<td>4.1</td>
</tr>
<tr>
<td>or GEOL 106 General Geology</td>
<td>4.1</td>
</tr>
<tr>
<td>GEOL 209 Mineralogy and Crystallography</td>
<td>3.1</td>
</tr>
<tr>
<td>GEOL 303 Sedimentology</td>
<td>3.3</td>
</tr>
<tr>
<td>GEOL 343 Climatic Geomorphology</td>
<td>3.1</td>
</tr>
<tr>
<td>GEOL 355 Applied Geology</td>
<td>3.3</td>
</tr>
<tr>
<td>PHYS 133 Introduction to Astronomy</td>
<td>4.1</td>
</tr>
<tr>
<td>PHYS 201 General Physics</td>
<td>4.1</td>
</tr>
<tr>
<td>PHYS 202 General Physics</td>
<td>4.1</td>
</tr>
<tr>
<td>CHEM 103 General Chemistry</td>
<td>3.1</td>
</tr>
<tr>
<td>BSC 105 Biological Evolution</td>
<td>3.1</td>
</tr>
<tr>
<td>MATH 221 Calculus I</td>
<td>3.3</td>
</tr>
</tbody>
</table>

Three credits from the following:

| GEOL 432 Recent Sedimentary Environments | 3.1 |
| GEOL 460 Field Geology in the Western States | 3.1 |

External to the College

| MAST 200 Introduction to Marine Studies | 3.1 |

Professional Studies

| EDST 304 Educational Psychology - Social Aspects | 3.1 |
| EDST 305 Educational Psychology - Cognitive Aspects | 3.1 |
| SCN 491 Teaching Science in Secondary Schools | 3.1 |
| EDST 420 Reading in the Content Area | 3.1 |
| EDUV 400 Student Teaching | 9.0 |

CREDITS TO TOTAL A MINIMUM OF 124
MEMORANDUM

DATE: September 14, 1994

TO: Mary Richards, Dean
College of Arts and Science

Anna Ciulla, Program Director
Medical Technology

FROM: Betty J. Paulanka and Faculty
of the College of Nursing

RE: Relocation of the Medical Technology Program
to a Department in the College of Nursing

In September of 1993, the College of Nursing reorganized and
now consists of: 1) a Department of Nursing, inclusive of all
nursing programs at the graduate and undergraduate level, and
2) a Division of Special Programs, associated with health
education outreach to meet the varied needs of health
professionals in Delaware and surrounding states. This new
organization provides a foundation for the College of Nursing's interaction with other allied health
professionals in order to address current health education needs
promoted by healthcare reform and the anticipated needs of
healthcare providers in the next century.

Throughout the past year, College administrators and faculty
have met with Anna Ciulla, Director of Medical Technology, to
examine options for including the Medical Technology Program
within the College of Nursing. During a special College faculty
workshop in January of 1994, faculty discussed this merger and
unanimously agreed on an informal show of hands that it would be
a good partnership for this College. During the summer of 1994,
Anna Ciulla discussed this merger with her faculty. All were
invited to visit the College of Nursing to explore how they might
fit physically and philosophically into the College of Nursing.
Responses from Med Tech faculty were optimistic that such a
merger could benefit each group. Thus, a formal vote on this
issue was called during the annual fall College of Nursing
faculty meeting. As a result, the Medical Technology Program
has been invited to become a separate department within the College
of Nursing.

Rationales for creation of a new department, Medical
Technology, with the College of Nursing:

1. Better integration of College of Nursing
   activities with other, non-nursing, healthcare
campus programs.

2. Expanded opportunities for interdisciplinary
   teaching, research, and service among faculty and
   students.

3. The addition of a "new" non-nursing department
   into the College to encourage broader and more
   future-oriented participation in healthcare
   reform.

The College faculty and administration believe that the
inclusion of Med Tech under the Department of Nursing curriculum
would be a misfit given the diversity in the goals of each
program. An additional department within the College is
consistent with our strategic plan that addresses the broader
health needs of the citizens of Delaware.

ATTACHMENT 13

Thus, I am writing to the College of Arts and Science to
request serious consideration for this move. As Dean of the
College of Nursing, I will be pleased to work with administrators
and faculty from the College of Arts and Science and the Medical
Technology Program to develop a formal proposal to facilitate
this transfer by July 1, 1995.

Thank you for your consideration of this request.

BGP:mar

cc: Melvyn Schiavelli, Provost
Margaret Andersen, Vice Provost

November 9, 1994

MEMORANDUM

TO: Dean Mary Richards
College of Arts and Science

Dean Betty Paulanka
College of Nursing

Joann Browning, President
Arts and Science Faculty Senate

John McLaughlin, President
University Faculty Senate

FROM: Melvyn D. Schiavelli
University Provost

SUBJECT: Administrative Relocation of Medical Technology

I endorse the proposal to move the current program in Medical Technology to the
College of Nursing. This move does not require additional financial resources, since support
for Medical Technology is already included in the University budget. I do foresee a time in
the future when Medical Technology would relocate to McDowell Hall. This move will
require financial support, but is unlikely to occur until an additional classroom building is
available. At the time that such a move is feasible, the Provost's office will seek support for
the costs of relocation.

The administrative relocation of Medical Technology has been carefully considered
both by the Dean of the College of Nursing and the Dean of the College of Arts and Science
in consultation with the Provost's office. Such a move will appropriately locate Medical
Technology in a college where greater symbiosis can occur between the current nursing
programs and an allied field. As I understand it, the faculty both in the college and in
Medical Technology are enthusiastic about such a move. It has my support.

MDS:lp
cc: Anna Ciulla, Program Director, Medical Technology