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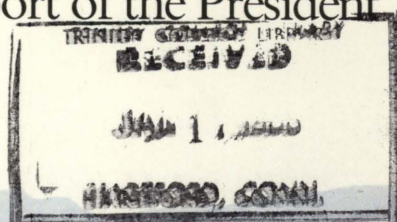
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Trinity College
HARTFORD CONNECTICUT

Trinity College Bulletin

The Annual Report of the President
1984-85



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The Annual Report of President James F. English, Jr.

December, 1985

TRINITY COLLEGE
HARTFORD, CONNECTICUT

It is a pleasure to submit my report for the year 1984-85 at Trinity, a time of significant accomplishment and one in which we made substantial progress in setting our course for the future.

Among the noteworthy achievements were: the strongest freshman class in more than a decade, drawn from over 3,300 applicants; approval of a new, multi-disciplinary computer science major; a record number of students involved in off-campus academic internships and community outreach programs; and an all-time high of \$1.3 million in gifts for the Annual Fund.

On the planning side, the spring saw the culmination of three years of self-study, resulting in two major reports that will receive final consideration in the fall of 1985. One deals with curricular change; the second constitutes an overall institutional plan for the next decade.

The first report contains a comprehensive and imaginative set of recommendations by the faculty's Curriculum Committee. The product of three successive study groups, the proposals, if adopted, would constitute the first fundamental change in Trinity's non-major curriculum in more than fifteen years.

Both the focus and the effectiveness of our nation's educational system have come under increasing question in recent years. First elementary and secondary school instruction, and more recently education at the college level, have been the subject of a series of studies, most of which have suggested the need for somewhat greater structure and rigor. Trinity's analysis of its own curriculum has addressed a number of the more frequently raised issues in what we believe to be responsible and imaginative ways.

While preserving much of the flexibility inherent in our present "open" curriculum, the new plan addresses the need—widely perceived



SEABURY SCULPTURE COMMEMORATING
THE START OF COEDUCATION IN 1969 WAS
COMMISSIONED THIS PAST SPRING,
THE GIFT OF THE CLASS OF 1985.

at Trinity and other highly selective colleges—for liberally educated students to develop their writing skills and attain greater awareness of language; to acquire basic familiarity with the skills of quantitative reasoning, in keeping with the pervasive role of science and technology in our society; and to do course work in all four divisions of the liberal arts: the humanities, the sciences, the social sciences, and the arts. The traditional major would remain intact, but students would also be required to integrate a portion of their work outside the major by electing an interdisciplinary, six-course, “thematic minor” or three “pairs” of related courses from different fields. Among the attractive aspects of the plan are the opportunity that both thematic minors and pairs present to strengthen our course offerings, and the stimulation to interdisciplinary thinking that they will provide our faculty.

I am very hopeful that the faculty will approve the recommendations of its Curriculum Committee this fall, so that we can proceed with the exciting work of implementing them over the next few years. I should add that these proposals follow a number of other steps taken by the faculty in recent years to increase the rigor of our academic program.

The second report, entirely compatible with the first, is a comprehensive institutional plan for Trinity. Its conclusions grow out of the work of a number of committees that have examined various aspects of the College over the past three years.

The particulars of this report are shaped by our basic mission: to prepare students for useful and interesting lives by providing them with an education of the highest quality in the liberal arts and sciences, within the setting of an urban, residential campus. In addition to the strengthened academic program mentioned earlier, the document identifies expanded financial aid resources and improved residential facilities as among our primary needs.

In a period of steadily rising costs and tuitions, colleges like Trinity are heavily dependent on financial aid funds to maintain the quality and diversity of their student bodies. Currently, one-third of our undergraduates receives grant aid from an assistance pool totaling some \$3.5 million. Awards to individual students vary greatly and are based on need. Because funding from many outside sources, particularly the federal programs, is leveling off or even declining, pressures on College-generated monies are increasing disproportionately. To relieve this burden on our operating budget, we have assigned a high priority to seeking added endowment funds for financial aid.

Our objective is ultimately to have sufficient funds to institute a fully "aid-blind" admissions program. Meanwhile, we plan to increase the financial aid pool each year at a rate at least as great as our charges increase. As we seek additional funding, we will continue our need-based approach in concert with our sister colleges. We also will allocate available funds to support recruitment of minority students and investigate ways in which we can assist parents with loan and pre-payment programs, if necessary. No qualified candidate should be denied the opportunity for a Trinity education on the grounds of cost.

Though Trinity grew substantially after becoming coeducational in the late sixties, the residential plant was not expanded commensurately. Over the years the dormitories have become crowded and, in some areas, unattractive. The construction of at least one new dormitory, without any increase in the size of the student body, will be a major step in improving accommodations. The expansion will also provide space within our residence halls for added academic and cultural programming. By integrating the academic and residential life of the College more closely, we hope to improve the overall intellectual climate of the campus.

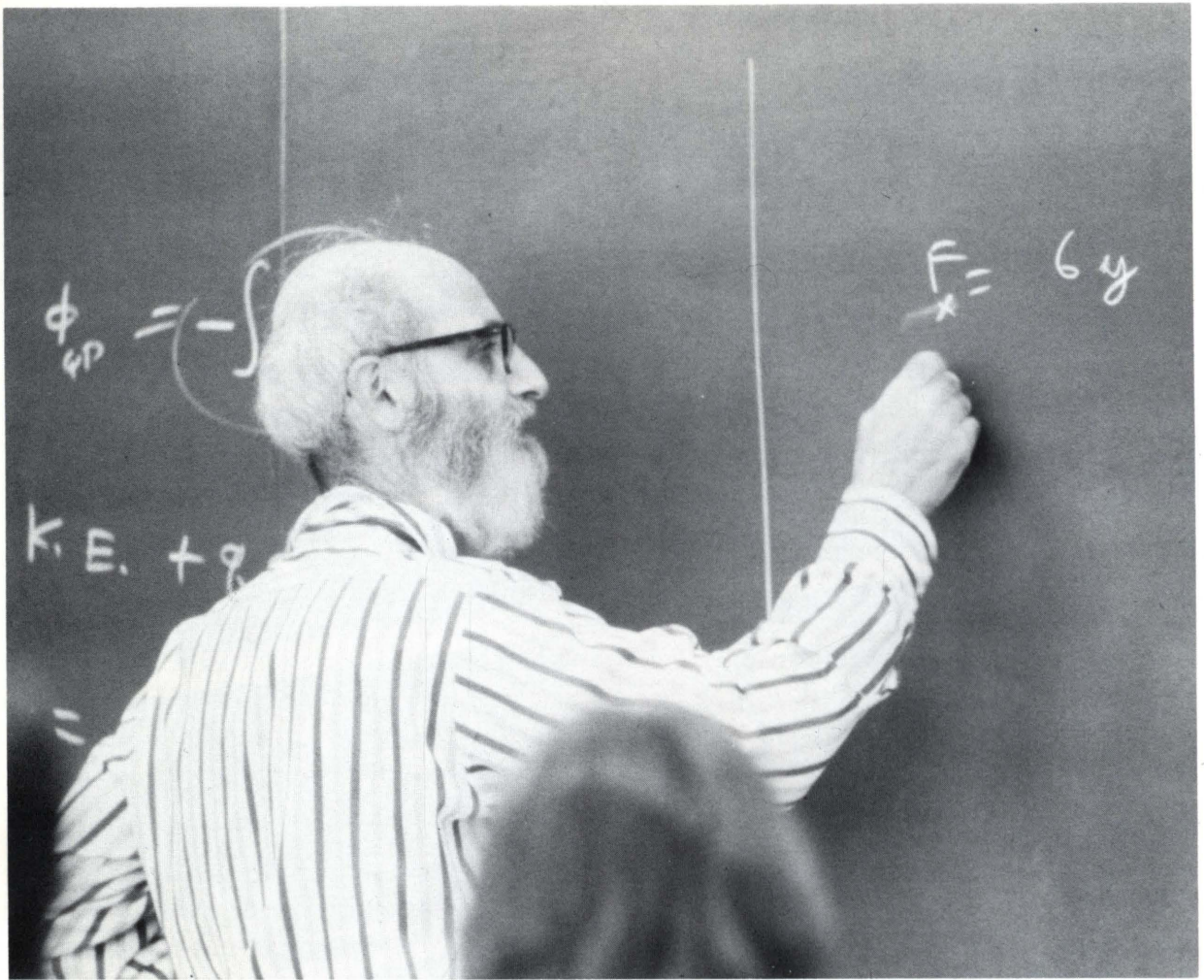
Other facilities have also become overcrowded or inadequate. The Austin Arts Center, while a splendid facility, needs enlargement. It was designed for a smaller, all-male institution and is currently operating well beyond its capacity. The dance section of our combined Department of Theatre and Dance, for example, has to be housed elsewhere on campus.

Similar problems exist in computing and engineering. Because of the rapid increase in the use of computers and the establishment of a computer science major we are already beginning to outgrow the Hallden Engineering Laboratory, which was handsomely renovated only two years ago. In our athletic plant we have an immediate need for an improved women's locker facility. Eventually we should add more squash courts and a new swimming pool, and we still lack our own ice rink. It is clear that Trinity will need substantial new resources if we are to implement even a portion of these ambitious plans. We are now obtaining cost estimates and establishing priorities, particularly with respect to plant needs.

I have only touched on the highlights of these two important reports; copies of both documents are available from my office for those who are interested in more details.



A NEW MAJOR IN COMPUTER SCIENCE
WAS APPROVED BY THE FACULTY.
BASED IN THE ENGINEERING DEPARTMENT, THE MAJOR
HAS A MULTI-DISCIPLINARY APPROACH WITH
A STRONG LIBERAL ARTS COMPONENT.



A COMPREHENSIVE STUDY OF THE CURRICULUM BY THE FACULTY HAS PRODUCED IMAGINATIVE WAYS TO STRENGTHEN COURSE OFFERINGS AND TO STIMULATE INTERDISCIPLINARY THINKING.

Our success in admissions indicates that our facilities will continue to get heavy use. Despite the continuing drop in the number of secondary-school graduates, applications for admission rose by over ten percent. With more than 3,300 applicants for 450 openings in the freshman class, we were highly selective in our choices. As a result, the Class of 1989 is unusually strong, with the highest aptitude test scores in more than a decade. This trend reflects a growing recognition of the quality of our faculty, academic programs, and campus life.

I have already referred to the new academic major in computer science. A multi-disciplinary major, with a strong liberal arts component, it will be based in the engineering department, now known as the Department of Engineering and Computer Science. Deliberations about a computer science major began in 1981 and culminated in a joint study by the faculty Curriculum and Educational Policy committees. Among the principal questions addressed was whether such a major is appropriate at an institution committed to the liberal arts. "At some institutions . . . 'computer science' can be little more than a fancy name for majors in computer programming or data processing—examples of the 'higher skilling' which Trinity rightly shuns," the committees noted. "Because such programs ignore underlying theoretical issues and require only minimal competence in mathematics, they have no place in the liberal arts curriculum."

To avoid this pitfall and thus ensure academic integrity, the Trinity program focuses on the theoretical and conceptual underpinnings of computer technology, incorporates a large component of advanced math, treats issues with fundamental implications for many aspects of the liberal arts and sciences, and draws on the insights of a number of fields outside the core disciplines of computing and mathematics. Specifically, our computer science majors are required to take five courses in engineering and computer science, seven in mathematics, and three electives chosen from a list of offerings by faculty members in such departments as philosophy, psychology, and physics. The College will encourage and support the development of additional electives by other academic departments.

Our academic programming was also bolstered by the Alfred P. Sloan Foundation, which included Trinity in the select group of colleges receiving grants of \$150,000 to support initiatives in what is termed "The New Liberal Arts." Its objective is to give greater attention to the importance of modern technology and the quantitative skills underlying it. The Sloan grant takes its place beside recent gifts from the Mellon, Hewlett and Dana foundations that supply funds for fac-

ulty development and curricular change in a period when higher education is under severe financial constraints.

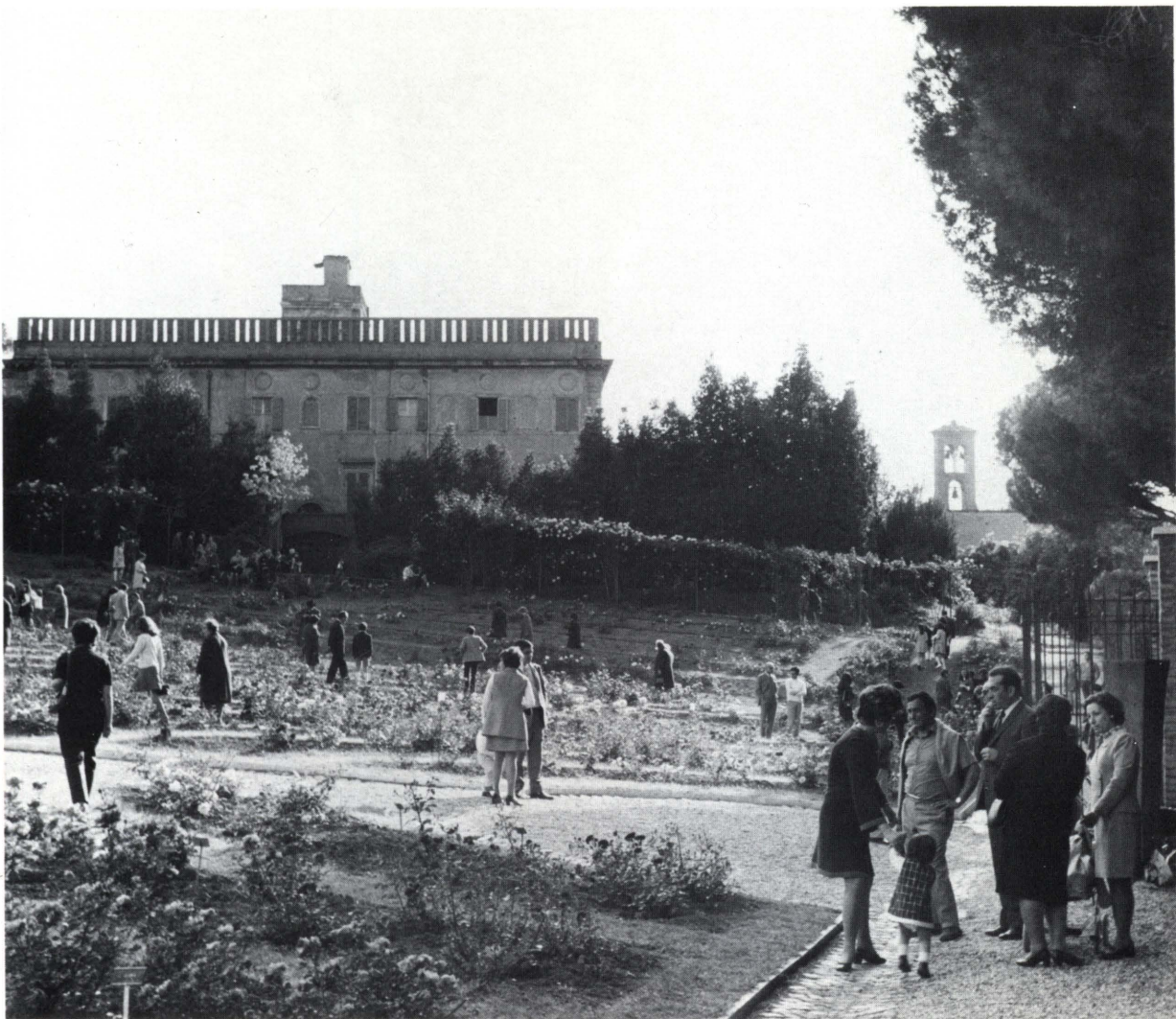
The impressive list of faculty publications and professional activities, which makes up the second part of this report, reflects in many instances the support received from these imaginative programs.

A number of other foundations and individuals have also contributed to our academic development. The Arthur Vining Davis Foundation provided an endowment of \$75,000 for financial aid and the DeCamp Foundation a matching grant of \$50,000 for the purchase of laboratory equipment by the Biology Department. An unusual \$100,000 grant from the Ford Foundation will permit four formerly all-male institutions—Trinity, Colgate, Princeton and Yale—to assess the progress they have made in integrating women and women's interests into curriculum and campus life.

St. Anthony Hall set a fine example for other fraternities and sororities by awarding both a scholarship and a junior-faculty research grant. An anonymous alumnus has given Trinity an endowment of \$50,000 to provide two-year salary supplements to faculty members judged by their peers to be outstanding teachers. This recognition, to be known as the Thomas Church Brownell Award, will be a valuable reminder of the preeminence of teaching at Trinity in a period when considerable emphasis is being placed on scholarly research and publication.

A word should be said about the growing number of students who elect to spend at least one term of their Trinity careers studying abroad. They take advantage of opportunities in many countries, including Italy, where Trinity has maintained its "Rome Campus" for more than a decade. Occupying leased quarters in an attractive old convent on the Aventine Hill, this program accommodates up to fifty undergraduates, roughly one-half of whom are generally Trinity students. The success of this activity has led to Trinity's being selected to organize programs in Italy for Elderhostel. Situated in Rome, Perugia, and Verona, they have proven to be very popular, and a fourth location in Sorrento is under active consideration.

The process of renovating Trinity's handsome, but relatively old, physical plant continued, gaining added impetus from a study by independent engineers with respect to our accumulated maintenance needs. We are convinced that significantly larger annual allocations will be necessary if we are to make headway against the backlog of deferred maintenance. The renovation of 79 Vernon Street was completed, and



TRINITY'S ROME CAMPUS, THE BARBIERI CENTER, ACCOMMODATES UP TO FIFTY UNDERGRADUATES EACH SEMESTER. IT WAS ALSO THE SITE OF AN INNOVATIVE PROGRAM FOR ELDERHOSTEL LAST SUMMER.



FACULTY FROM TRINITY'S CLASSICS
AND PHILOSOPHY DEPARTMENTS TEACH IN
THE MAGNET SCHOOL PROGRAM
AT HARTFORD'S QUIRK MIDDLE SCHOOL,
ONE OF MANY COLLEGE INVOLVEMENTS
IN THE SURROUNDING COMMUNITY.

visiting alumni will be pleased to find that an attractive lounge and conference room have been added for their convenience. A major renovation of Elton Hall was completed over this past summer, and we are about to begin a modernization project on the Memorial Field House which will include replacement of the dirt floor with a composition surface.

Several generous gifts have helped us make important improvements in our buildings and grounds. A grant of \$100,000 from Mr. and Mrs. Bernard Rittenberg to the Mather Hall construction project provided a large, attractive new lounge in honor of their daughter, Suzanne, who graduated in the Class of 1985. A gift of similar size from the Stone Foundation, in honor of Paul Adams, Esq. '35, one of our most active and supportive alumni, will permit us to add the organ case in the College Chapel. This fine structure in carved oak has been designed by Charles Nazarian '73 and will complement the choir gallery added last year by friends and relatives of A. Henry Moses '28 in his memory. Former President G. Keith Funston '32 generously provided for the creation of an attractive garden in the courtyard between the library and the chemistry building, and this area has already become a center for out-of-doors activities.

We are also organizing ourselves to mount a major Capital Campaign, which will probably be ready for formal, public announcement early in the fall of 1986. It is most gratifying to see the high level of enthusiasm of those who are undertaking the leadership positions in this effort. I am confident that with the generous support of all its constituencies, Trinity can establish itself even more firmly as one of the finest liberal arts colleges in the country.

We approach this major undertaking from a position which is already very strong. Financially, the College is in robust condition. We closed our books on June 30, 1985 with the fifteenth successive surplus, and the largest one in the College's history. Endowment funds were also at a new high, approaching \$75 million at year's end.

The Annual Fund again surpassed its goal, attaining a record level of \$1,320,000. The alumni segment of the Fund exceeded its objective with a high of \$848,000. We are enormously grateful to those who contributed and, especially, to those who worked so effectively for the annual campaign. Congratulations and special thanks to the Annual Fund leadership group: David R. Smith '52, Peter A. Hoffman '61, Wylie H. Whisonant, Jr., William R. Peelle '44, John H. Bennett, Marion Robbins, Cynthia Doggett, Mary-Ellen Cunningham, and Norman C. Kayser '57.

Again this year, the campus was the scene of constant activity: lectures, readings, productions and exhibits. Visiting speakers and artists represented all shades of the political or artistic spectrum: the Reverend Jesse Jackson, social scientist Charles Murray, historian Arthur Schlesinger, Jr., and poet Marvin Bell, to name just a few. Our musical and dramatic productions also represented an unusually broad range, from Gilbert and Sullivan's *The Yeomen of the Guard* to Aeschylus' *Prometheus Bound*, and from *The Abduction from the Seraglio* by Mozart to *The Little Clay Cart*, a classic Indian play, produced in cooperation with the government of India as part of the Festival of India being observed in many exhibitions and productions in Europe and the United States.

Other highlights of student activity included the appearance of a new literary magazine, *Offhand*. With three magazines and three newspapers now operating on campus, our budding writers have no shortage of outlets for their talents. Undergraduates also organized an Awareness Week designed to raise consciousness and stimulate discussion on topics such as racism, South Africa, health issues, abortion, and gay rights. Later in the spring, many students took a visible stand against apartheid by attending a candlelight vigil on the Quad, and by wearing yellow ribbons during the Commencement procession. Finally, members of the St. Anthony Hall fraternity voted unanimously to admit women, thus becoming the second coeducational fraternity on campus, joining Delta Kappa Epsilon. This move is a healthy development and in accord with the stated preference of the Board of Trustees that we progress toward equal opportunity for women in all campus organizations.

Trinity's athletic teams also continued their remarkable record of achievement. In concert with the other members of the New England Small College Athletic Conference, I believe we have generally succeeded in encouraging a robust program at the appropriate level of intensity. We do not award athletic scholarships; we do not send people off campus to recruit players; we carefully limit the number of contests and, in particular, the extent of post-season activities. Our students have fun; they develop their skills and attitudes; and, with surprising regularity, they win games! The overall record of our varsity teams this past year (excluding crew, which is hard to calculate) was 186-142-5. Football was 6-2, with Joe Shield and Tim McNamara setting a number of new passing and receiving records. Joe was subsequently drafted by the Green Bay Packers, making him the third Trinity graduate to play in the NFL. Three varsity teams won regional championships: women's lacrosse for the third successive year, men's



WOMEN'S LACROSSE WON ITS THIRD STRAIGHT NORTHEAST INTERCOLLEGIATE ATHLETIC CONFERENCE TITLE, AVERAGING NEARLY 20 GOALS PER GAME AND FINISHING WITH A 10-1 SEASON'S RECORD.



ONE OF MANY DISTINGUISHED SPEAKERS
TO VISIT THE CAMPUS DURING THE YEAR
WAS THE REV. JESSE JACKSON,
SHOWN GREETING PRESIDENT ENGLISH.

basketball, for the second and women's field hockey. Three other varsity teams made the regional play-offs: men's lacrosse and hockey, and women's tennis. Men's track won the NESCAC title and both men's and women's squash were in a class by themselves, achieving a national ranking of number two in each case. And this despite only six squash courts, all built more than fifty years ago.

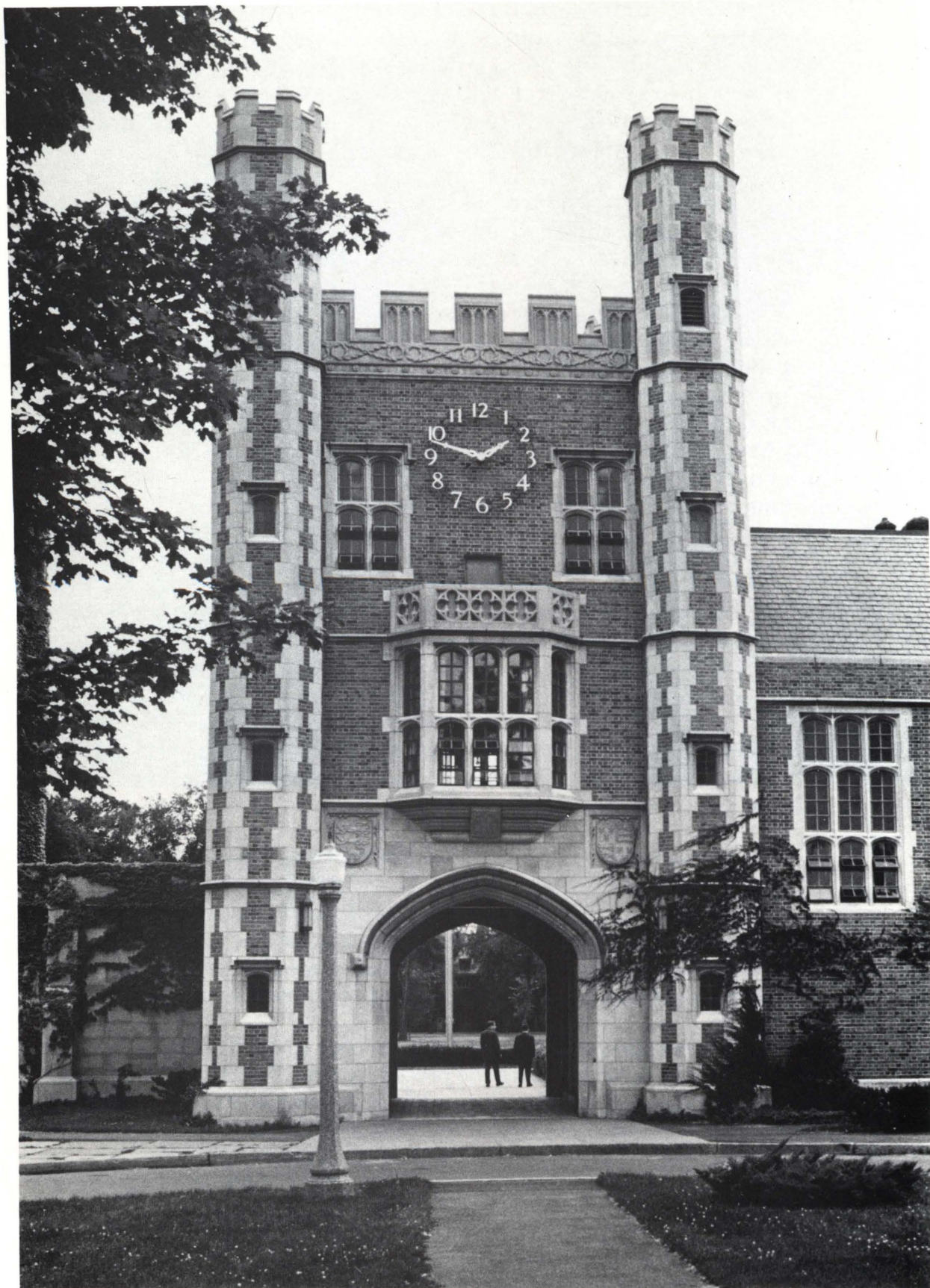
Trinity's involvement in the surrounding community increased both in breadth and depth during the year. The number of students participating in off-campus academic internships reached a new high, as did the number of those giving time to the community in such outreach activities as tutoring, Big Brothers and Big Sisters, and work with elderly citizens. The American Leadership Forum, an unusual training program in community leadership for top regional decision-makers, made its headquarters at Trinity. We also hosted a new and experimental regional high school program in the performing arts. A new community child care center was also opened on campus in renovated space in the Life Sciences Center. The availability of day care will meet a need long felt by Trinity people and others in the community.

I am saddened to report the passing of two prominent members of the Trinity faculty. Professor Norton Downs was a member of the History Department for 35 years, and Associate Professor James Potter had just retired after 30 years in the English Department. Associate Professor Carl Hansen of the Modern Languages Department retired at the end of the year, and we extend our thanks and best wishes to him. Two unusually active members of our Board of Trustees also retired at the conclusion of their terms: Robert Blum '50 and Emily G. Holcombe '74. We shall miss them greatly but welcome their successors, Arlene Forastiere '71 and Alfred Koeppel '54.

In conclusion, I would like to note with particular pleasure the appointment of Professor Borden W. Painter, Jr. '58 as Dean of the Faculty for a two-year term beginning July 1, 1985. Borden served us admirably as Acting Dean during the past academic year, and we are fortunate indeed that he will be our chief academic officer in what promises to be an unusually interesting and important period for Trinity.

The remainder of this report is devoted to the various accomplishments of the faculty during the preceding year. Much of Trinity's distinction derives from the scholarship and dedication of our faculty members, and we are grateful for their contributions to the life of the College.


JAMES F. ENGLISH, JR.



Faculty Presentations and Publications

DAVID J. AHLGREN, Associate Professor of Engineering

"Synthesis of a Small Microcomputer," in *IEEE Transactions on Education*, May, 1985, Vol. E-28, 2, pp. 65-68.

DINA L. ANSELM, Assistant Professor of Psychology

Anselmi, et al., "Young Children's Responses to Neutral and Specific Contingent Queries." Paper presented at the Society for Research in Child Development, Toronto, Canada, April, 1985.

CAROL J. ANY, Assistant Professor of Modern Languages

Guest editor, and author of the introductory article for the Summer, 1985 issue of *Soviet Studies in Literature* entitled "The Russian Formalist Tradition: Retrospective Views."

"Resistance to Uniformity in the Soviet Writers' Union: the Literary Discussions of 1936." Paper presented at the annual national conference of the American Association for the Advancement of Slavic Studies, Washington, D.C., November 1-4, 1984.

THOMAS P. BAIRD, Professor of Fine Arts
Villa Aphrodite, St. Martin's Press, New York, 1984.

PHILIP C.F. BANKWITZ, Professor of History

Historical Dictionary of the Third French Republic, 1870-1940. Stamford: Greenwood Press, September, 1985. "The Deuxième Division Blindée Française in the Second World War." Lecture given at the University of Southampton, Southampton, England, May 30, 1985.

ROBERT H. BREWER, Professor of Biology

"Notes of a Jellyfish Watcher: Evidence that two contiguous populations of *Cyanea* are genetically isolated." Paper presented at the October, 1984 meeting of the New England Estuarine Research Society, The Graduate School of Oceanography, University of Rhode Island at Narragansett.

JOSEPH D. BRONZINO, Vernon D. Roosa Professor of Applied Science

Bronzino, et al., "Inservice Educational Program for Clinical Staff," in *Journal of Clinical Engineering*, 9:113-120, 1984.

Bronzino, et al., "Direct application of 6-hydroxydopamine to the region of the nucleus tractus solitarius—Effects on cortical and hippocampal EEG," in *Proceedings of the 6th Annual Conference IEEE Engineering in Medicine and Biology*, J.D. Semmlow and W. Welkowitz, Eds., IEEE Press, New York, pp. 572-575, 1984.

Bronzino, et al., "Behavioral dependent multi-unit activity from the region CA1 and dentate gyrus of the hippocampal formation of the rat," in *Proceedings of the 6th Annual Conference IEEE Engineering in Medicine and Biology*, J.L. Semmlow and W. Welkowitz, Eds., IEEE Press, New York, pp. 572-575, 1984.

Bronzino, et al., "The multidisciplinary team approach in orthopedic medicine," in *Proceedings of the 6th Annual Conference IEEE Engineering in Medicine and Biology*, J.L. Semmlow and W. Welkowitz, Eds., IEEE Press, New York, pp. 646-647, 1984.

"Clinical engineering education is not a traditional academic experience," in *Proceedings of the 6th Annual Conference IEEE Engineering in Medicine and Biology*, J.L. Semmlow and W. Welkowitz, Eds., IEEE Press, New York, pp. 794-796, 1984.

"Quantitative Analysis of the EEG: General Concepts and Animal Studies," in *IEEE Transactions in Biomedical Engineering*, 31: 850-856, December, 1984.

"Clinical Engineering: An Education with a Future," in *IEEE Potentials*, pp. 30-32, December, 1984.

"Clinical Engineering Education," in *IEEE-EMBS Magazine*, pp. 17-18, June, 1985.

"Multidisciplinary team approach in orthopedic medicine," "Clinical engineering education is not a traditional academic experience," and "Direct application of 6-hydroxydopamine to the region of the nucleus tractus solitarius—Effects on cortical and hippocampal EEG." Papers presented at the *6th Annual IEEE-EMBS Conference*—Los Angeles, CA, September, 1984.

"Development of equations to utilize helix in orthodontic wire," and "Coherence and Phase Analyses of the Hippocampal EEG During Various Vigilance States." Papers presented at the Northeast Conference on Bioengineering, Worcester, MA, March, 1985.

W. MILLER BROWN, Professor of Philosophy
"Paternalism, Drugs, and the Nature of Sports," in *Journal of The Philosophy of Sport*, xi (1985), pp. 14-22.

WILLIAM BURK, Artist-in-Residence
Exhibit, Morehead State University, Morehead, KY, May, 1985.

WILLIAM N. BUTOS, Assistant Professor of Economics

"Menger: A Suggested Interpretation," in *Atlantic Economic Journal*, 13:2, July, 1985.

"Hayek and General Equilibrium Analysis." Paper presented at Atlantic Economic Association Conference, September, 1985.

"Rationality in Economics: A Comment." Paper presented at the Eastern Economic Association Conference, April, 1985.

"The Knowledge Problem Under Alternative Monetary Regimes." Paper presented at the CATO Institute's Third Annual Monetary Conference, February, 1985.

NOREEN L. CHANNELS, Associate Professor of Sociology

Social Science Methods in the Legal Process, Rowman & Allanheld, 1985.

GEORGE E. CHAPLIN, Professor of Fine Arts and Director of the Studio Arts Program
One-man Exhibition, Waterbury City Club (arr. Mattatuck Museum), April-September, 1985.

Group Exhibitions: "Silvermine Collection '84," Richardson-Vicks, Inc., Wilton, CT, September, 1984; "Drawing," Munson Gallery, New Haven, CT, May-June, 1985; "Diversity of Vision," Stamford Plaza Hotel, Stamford, CT, April-May, 1985; Gallery Opening, Gallery 990, West Hartford, CT, July-September, 1985.

U.S. State Department, Art in Embassies Program: Paintings in Embassies of 12 countries.

FRANK M. CHILD III, Professor of Biology
"The Lengths of *Chlamydomonas* flagella; Relations between cell division, interphase age, and changing amounts of stored precursor protein." Paper presented at the VII International Congress of Protozoology in Nairobi, Kenya, June 23-28, 1985.

ROY B. DAVIS III, Assistant Professor of Engineering

Davis, et al., "An Examination of Pulsatile Flow Through a Branching Tube with Collapsing Walls: Volumetric Flow Redistribution," in *The Journal of Fluids Engineering*, Vol. 106, No. 4, pp. 430-434, 1984.

Davis, et al., "The Multidisciplinary Team Approach in Orthopedic Medicine," in *Proceedings of the Sixth Annual IEEE/EMBS Frontiers of Engineering and Computing in Health Care*, J.L. Semmlow and W. Welkowitz (Editors), pp. 646-647, 1984.

Davis, et al., "An Examination of Pulsatile Flow Through a Branching Tube with Collapsing Walls: Visualization of Streakline Patterns," in *Proceedings of the Eleventh Northeast Bioengineering Conference*, March, 1985.

Davis, et al., "The Scandinavian Flexible Prosthetic Limb Socket: Interface Pressure Distributions during Stance," in *Proceedings of the Eleventh Northeast Bioengineering Conference*, March, 1985.

Speaker at a session entitled, "Addressing the Special Educational Needs of People with Disabilities," at The Future of Educational Technology Conference sponsored by the Task Force on Resource Sharing in Information Systems Education, The Aetna Institute for Corporate Education, Hartford, CT, October, 1984.

"A Comparison of Interface Pressure Distributions: Soft Socket (ISNY/SFS) versus Hard Socket." Paper presented at The Annual Scientific Seminar of the American Academy of Orthotists and Prosthetists, Hartford, CT, March, 1985.

"An Examination of Pulsatile Flow Through a Branching Tube with Collapsing Walls: Visualization of Streakline Patterns;" "The Scandinavian Flexible Prosthetic Limb Socket: Interface Pressure Distributions during Stance." Papers presented at the Eleventh Northeast Bioengineering Conference, Worcester Polytechnic Institute, Worcester, MA, March, 1985.

"Biomedical Engineering 'Capstone' Courses: A Comparative Examination of What is Currently Available;" "Getting Design into a Biomedical Engineering Curriculum: Internal and External Sources." Papers presented at the 93rd Annual American Society for Engineering Education, Atlanta, GA, June, 1985.

HAROLD L. DORWART, Professor of Mathematics, Emeritus

"Configurations: A Case Study in Mathematical Beauty," in *The Mathematical Intelligencer*, Volume 7, Number 3, 1985.

JUDY DWORIN, Associate Professor of Theatre and Dance

"Collaboration as a Creating Process." Lecture given at the University of Chinese Culture, Taipei, Taiwan, May, 1985.

ELLISON B. FINDLY, Assistant Professor of Religion and Intercultural Studies

Co-editor of *Women, Religion and Social Change*, and author of "Gargi at the King's Court: Women and Philosophic Innovation in Ancient India." Albany: SUNY, p. 564, 1985.

"In Search of Nur Jahan." Paper presented at the Asian Studies: "How We Learn, What We Teach" Conference at the Loomis Chaffee School, November 17, 1984.

"Styles of Leadership: India in the Twentieth Century." Lecture presented at the Town and

Country Club in Hartford, CT, January 30, 1985.

SHEILA M. FISHER, Assistant Professor of English

"Taken Men and Token Women in *Sir Gawain and The Green Knight*." Paper presented at the University of Pennsylvania Conference on Women's Studies Research, March, 1985.

"The Girdle and The Pentangle: Signs of The Times in *Sir Gawain and The Green Knight*." Lecture given at Hamilton College, April, 1985.

ALBERT L. GASTMANN, Professor of Political Science

Co-authored articles on the French and Netherland Antilles in *Latin America and Caribbean Contemporary Record*, Vol. II, 1981-82, and Vol. III, 1983-84.

"Mitterand's Headache," co-authored, in *Caribbean Review*, Vol. XIII, No. 2, Spring, 1984.

"The Political Role of the Courts in Benelux Society." Paper presented at the Northeast Political Science Association Conference in Boston, MA, November 15-17, 1984.

"The United Nations System as a Basis for Enhanced World Order." Paper presented at the Annual Convention of the International Studies Association, Washington, D.C., March, 1985.

Participant in roundtable discussion on the present status of "Peace Research," at the Annual Convention of the International Studies Association, Washington, D.C., March, 1985.

JOHN A. GETTIER, Associate Professor of Religion

"Narrative Art in Genesis 18 and 19." Paper presented at the University of Manchester and at King's College (University of London), Spring, 1985.

ALDEN R. GORDON, Associate Professor of Fine Arts

"Les Recueils des Maisons Royales en Petit du Bureau de J.A. Portail, Garde des Plans des Bâtimens du Roi." Paper presented at the Colloque Versailles Chateau de Versailles, France, Fall, 1985.

"The Art Patronage of Louis XV and the Marquise de Pompadour." Lecture presented at Smith College, April, 1985.

KARL F. HABERLANDT, Professor of Psychology

"A word on final words," in *Resources in Education*, ERIC Clearinghouse on reading and communication skills, March, 1985.

Review of T.A. van Dijk and W. Kintsch *Strategies of discourse comprehension*, Academic Press, 1984, *American Scientist*, January, 1985.

OLGA P. HASTY, Assistant Professor of Modern Languages

"Text and Context: Vnutrennja ja Prinadleznost in Works of Marina Cvetaeva." Paper presented at the AATSEEL Conference, Washington, D.C., December, 1984.

"Reading Suicide: Esenin, Majakovskij, Cvetaeva." Paper presented at the Northeastern Modern Language Association, Hartford, CT, March, 1985.

JOAN D. HEDRICK, Visiting Associate Professor of History and Coordinator of Women's Studies

"A House is not a Home: Harriet Beecher Stowe and the Ideal of Domesticity." Paper presented at the conference on "Heart and Hearth: The Victorian Woman and the Victorian Home," Mystic Seaport Museum, Mystic, CT, March 9, 1985.

"Harriet Beecher Stowe at Home." Paper presented at the New England Modern Language Association, Hartford, CT, March 29, 1985.

"Harriet Beecher Stowe: New Directions in Research." Roundtable presentation, New England American Studies Association, May 10, 1985.

DAVID E. HENDERSON, Associate Professor of Chemistry

Henderson, et al., "Developments in the High-Performance Liquid Chromatography of Metallo-Organic Compounds," in *Journal of Chromatography*, 317 (1984), pp. 569-578.

Henderson, et al., "Enhanced UV Detection of Sugar Phosphates by Addition of a Metal Complex to the HPLC Mobile Phase," in *Journal of Chromatographic Science*, Vol. 23, May, 1985.

Henderson, et al., "Low-Temperature High-Performance Liquid Chromatography for Separation of Thermally Labile Species," in *Advances in Chromatography*, Vol. 23, 1984.

SHARON D. HERZBERGER, Associate Professor of Psychology

Herzberger, et al., "The effect of self-relevance on moderate and severe disciplinary encounters," in *Journal of Marriage and the Family*, pp. 311-318, 1985.

"Identifying Cases of Physical Abuse: A Social Psychological Phenomenon." Paper presented at the Third International Institute on Victimology, Estoril, Portugal, November, 1984.

Herzberger, et al., "Self-esteem, depression, and the processing of personal information." Paper presented at the Eastern Psychological Association, Boston, MA, March, 1985.

GEORGE C. HIGGINS, JR., College Counselor and Professor of Psychology

"Alcohol and the Transsexual and Homosexual Person." Two presentations at University of Connecticut Health Center Alcoholism Unit, January 21 and May 13, 1985.

DIANNE HUNTER, Associate Professor of English

"Hysteria, Psychoanalysis, and Feminism: The Case of Anna O.," reprinted in *The (M)other Tongue: Essays in Feminist Psychoanalytic Interpretation*, ed. Shirley Nelson Garner, Claire Kahane, Madelon Sprengnether (Ithaca and London: Cornell University Press, 1985), pp. 89-115.

"Seduction and Theory." Paper presented at the Modern Language Association Convention, Washington, D.C., December 28, 1984.

"The Recurrence and Comic Resolution of *Romeo and Juliet* in *A Midsummer Night's Dream*." Lecture presented at the University of Hartford, October 15, 1984.

Panelist on "Shakespeare for Contemporaries," University of Hartford, October 20, 1984.

DREW A. HYLAND, Charles A. Dana Professor of Philosophy

"Opponents, Contestants, Competitors: The Dialectic of Sport," in *Journal of the Philosophy of Sport*, IX, 1985, pp. 63-70.

"The Tyranny of Incompetent Scholarship," in *Ancient Philosophy*, July, 1985. "Postlude and Prelude." Paper presented at the Heidegger Conference, New Orleans, LA, May, 1985.

"Taking the Longer Road: The Irony of Plato's *Republic*." Lecture presented at Vassar College, April, 1985.

"The Partnership of Play and Dance." Lecture presented at Connecticut College, February, 1985.

"The Three Waves of Plato's *Republic*." Lecture presented at Howard University, July, 1985.

ARNOLD L. KERSON, Professor of Modern Languages

"The Mexican Humanists of the Eighteenth Century." Paper presented at the Northeast American Society for Eighteenth Century Studies, Providence, RI, November, 1984.

"Enlightened Thought in Diego Jose Abad's *De Deo, Deoque Homine Heroica*." Paper presented at the Sixth International Congress of the International Association for Neo-Latin Studies, Wolfenbuttel, Germany, August, 1985.

"Diego Jose Abad, humanista mexicano del siglo XVIII," in *Cuadernos Americanos*, Mayo-Junio 1984, pp. 105-132.

"Jose Rafael Campoy and Diego Jose Abad: Two Enlightened Figures of Eighteenth-Century Mexico," in *Dieciocho. Hispanic Enlightenment, Aesthetics and Literary Theory*, Fall, 1984, pp. 130-143.

HELEN S. LANG, Associate Professor of Philosophy

"Why Fire Goes Up: An Elementary Problem in Aristotle's *Physics*," in the *Review of Metaphysics*, Vol. 38, September, 1984, pp. 69-106.

"Examples, Arguments, and Philosophies," in *The Philosopher in the Community: Essays in Memory of Bertram Morris*, 1984, pp. 68-82.

Review of Steven P. Marrone, *William of Auvergne and Robert Grosseteste. New Ideas of Truth in the Early Thirteenth Century*, Princeton University Press. Review appeared in *The Journal of the History of Philosophy*, April, 1985, pp. 255-257.

Review, John P. Anton; Anthony Preus (ed.). *Essays in Ancient Greek Philosophy*. Vol. II. Albany: State University of New York Press, appeared in *Isis*, 75, September, 1984, p. 750.

"Suarez and The Problem of Objective Concepts." Paper presented at the Society for the Study of the History of Philosophy, Mayaguez, Puerto Rico, February 17, 1985.

EUGENE E. LEACH, Associate Professor of History and Director of the American Studies Program

"Advocacy in the Public Humanities," in *Federation Review*, Vol. 8, May-June, 1985.

"Advocacy and the Public Humanities." Paper presented at the National Conference of State Humanities Councils, Atlanta, GA, November 30 and December 1, 1984.

"From Pittsburgh to Nuremberg: Radio Research and Ideas about Mass Behavior, 1920-1950." Paper presented at the Popular Culture Association, Louisville, KY, April 3, 1985.

SONIA M. LEE, Associate Professor of Modern Languages

"The African Mother: A Changing Ideal in West African Fiction." Paper presented at the University of Sussex, England, August 27, 1985.

MICHAEL E. LESTZ, Associate Professor of History

"China in a Century of Revolution." Four lectures presented at St. James Church Lecture Series, Farmington, CT, January-February, 1985.

"Launching the New Life Movement: Nanchang, 1934." Lecture presented at the Loomis Chaffee School, October, 1984.

"The American Novel of the Eighties." Lecture presented at Beijing Normal University, June, 1985.

"American Higher Education." Lecture presented at Fudan University, Shanghai, China, June, 1985.

ROBERT LINDSAY, Brownell-Jarvis Professor of Natural Philosophy and Physics

"Resonance," in *Encyclopedia of Physics*, 3rd Edition, 1985, Van Nostrand Reinhold, pp. 1069-1073.

CHARLES W. LINDSEY, Associate Professor of Economics

"Lenin's Theory of Imperialism: A Reply," in *Review of Radical Political Economics*, 16, Summer and Fall, 1984.

"Economic Crisis in the Philippines," in *Asian Survey*, 24, December, 1984.

"The Philippine State and Transnational Investment," in *States and TNCs in the Capitalist World Economy: Case Studies on Relationships*, edited by Robert B. Stauffer (Sydney: Transnational Corporations Research Project, University of Sydney, 1985).

"The State, Transnational Firms, and Economic Policy in the Philippines." Paper presented at the American Political Science Association Annual Meeting, Washington, D.C., August-September, 1984.

"Economic Crisis in the Philippines." Paper presented at the Canadian Council on Southeast Asian Studies Conference, Acadia University, October, 1984. "The Philippine State and Transnational Investment." Paper presented at the Union for Radical Political Economics Conference, Allied Social Science Association Meetings, Dallas, TX, December, 1984.

"Transfer of Technology to the Association of Southeast Asian Nations Region by United States Transnational Corporations." Paper presented at the Workshop on ASEAN-U.S. Economic Relations, Institute of Southeast Asian Studies, Singapore, April 22-24, 1985.

"The Situation and Outlook in the Philippines." Testimony in U.S. House of Representatives at

Hearings before the Subcommittee on Asian and Pacific Affairs, Committee on Foreign Affairs, September 20, and October 4, 1984.

"Transfer of Technology to the Association of Southeast Asian Nations Region by U.S. Transnational Corporations." Workshop presented at the ASEAN-U.S. Economic Relations, Institute of Southeast Asian Studies, Singapore, April 22-24, 1985.

KENNETH LLOYD-JONES, Professor of Modern Languages

"Ciceronianism and Rhetoric in Two Speeches of the French Renaissance." Paper presented at the American Philological Association, Toronto, Canada, December, 1984.

"Aspects of Translation Theory and Practice in the French Renaissance." Paper presented at the Medieval Academy of America, Kalamazoo, MI, April, 1985.

"Dolet et la Rhetorique: Les 'Orationes in Tholosam.'" Lecture presented at the Universite de Paris-Sorbonne, March, 1983.

A.D. MACRO, Professor of Classics

"Asiarch Reconfirmed," in *American Journal of Philology*, 106 (1985).

NUSHA MARTYNUK and CARTER McADAMS, Artists-in-Residence

Performance for the national conference of the Congress on Research in Dance, in conjunction with a paper read by Professor Drew Hyland, Trinity College, October 14, 1984.

Performance sponsored by the dance and philosophy departments, in conjunction with a paper read by Professor Drew Hyland, Connecticut College, New London, CT, February 1, 1985.

Performance at Vassar College, Poughkeepsie, NY, December, 1984.

DAVID MAURO, Assistant Professor of Mathematics

"A Combinatoric Approach to the Kaplan-Meier Estimator," in *Annals of Statistics*, Vol. 13, #1, 1985, pp. 142-149.

CLYDED. McKEE, JR., Professor of Political Science

"The Incompatibility of the Practice of Law and the Practice of Politics," in *1985 ABLA District One Proceedings*, Mid-Atlantic Business Law Association, Inc., August, 1985.

"Connecticut's 1984 Election: Consequences and Implications." Paper presented at the 1985 Annual Conference of the New England Political

Science Association, Durham, NH, April 19, 1985.

"The Incompatibility of the Practice of Law and the Practice of Politics." Paper presented at the Annual Conference District One, American Business Law Association, Kiomesha Lake, NY, April 27, 1985.

"The Need for Political and Fiscal Reforms in State and Local Governments." Lecture presented at the Vermont Municipal Clerks' and Treasurers' Association Annual Conference, White River Junction, VT, September 17, 1984.

"The Paradoxes of America's Political Systems." Lecture presented at the U.S. State Department and Crossroads Africa, South Hampton, NY, October 9, 1984.

"What can Vermont Legislators Learn from Connecticut's Experiences?" Lecture presented at the Rotary Club, Berne, VT, February 18, 1985.

"The Case for Endorsing a National Constitutional Convention." Public testimony before the Connecticut General Assembly, March 18, 1985.

"The Myths and Realities of America's State and Local Governments." Lecture presented at the U.S. State Department and World Affairs Center of Hartford, CT, July 1, 1985.

J. BARD McNULTY, James J. Goodwin Professor of English, Emeritus

"Literary Forms in Visual Art: Fables in the Bayeux Tapestry." Paper presented at the Fifth Annual Citadel Conference on Literature, Charleston, SC, March 14, 1985.

"The Bayeux Tapestry: Text and Glass." Paper presented at the Twentieth International Congress on Medieval Studies, The Medieval Institute, Kalamazoo, MI, May 11, 1985.

"The Narrative Art of the Bayeux Tapestry." Lecture presented at the Anne Arundel County Public Library, Annapolis, MD, June 23, 1985.

RALPH O. MOYER, JR., Associate Professor of Chemistry

"Metal Hydrides." Lecture presented at the University of the West Indies Chemistry Department, Mona Campus, Kingston, Jamaica, West Indies, March 21, 1985.

JAMES O'ROURKE, Adjunct Professor of Engineering

O'Rourke, et al., "Regulation of anterior chamber fibrinolysis," in *Current Eye Res.* 4:569-578:1985.

"Improved Deployment of Retinal Camera Technology for Blood Pressure Screening and Diagnostic Evaluations." Paper presented at the National Heart, Lung and Blood Institute, National Institutes of Health Meeting of National High Blood Pressure Committee, September 10, 1985.

"Anterior Chamber Fibrinolysis." Lecture presented at the Gordon Research Conference; Hemostasis, Andover, NH, June 18, 1985.

BORDEN W. PAINTER, JR., Professor of History and Dean of the Faculty

"Mussolini and Italian Fascism," published in translation: *Rassegna degli Archivi di Stato*, XLII/2-3 (May-December, 1983).

"The Bible in European History." Lecture presented at Greater Hartford Community College, December 11, 1984.

SUSAN D. PENNYBACKER, Assistant Professor of History

Review of *Property and Politics, 1870-1914*, A. Offer, *Social History*, October, 1984.

"Municipal Socialism and National Efficiency." Paper presented at the Mid-Atlantic British Studies Association, University of Pennsylvania, November, 1984 and at the American Historical Association Annual Meeting, December, 1984.

HARVEY S. PICKER, Professor of Physics

"Electrodisintegration and electrocapture in primordial nucleosynthesis," in *Physical Review C*, vol. 30, November, 1984.

MILLA RIGGIO, Associate Professor of English
"Pictures and Icons." Paper presented at NEMLA, Hartford, CT, March, 1985.

"Virgins without Veils." Paper presented at the 20th International Congress of the Medieval Institute, Kalamazoo, MI, May, 1985.

"The Throne of *Wisdom*." Paper presented at the 20th International Congress of the Medieval Institute, Kalamazoo, MI, May, 1985.

Three presentations at Mount Holyoke College for a Mellon Interdisciplinary Colloquium on various aspects of medieval drama: March 26, 1985, Lecture on *Wisdom*; April 12, 1985, Discussion of anthropological implications of medieval drama; April 16, 1985, Lecture on *The Chester Cycle*.

Co-director and dramaturge for *Caesar Augustus* performed at the Towneley Cycle Festival, University of Toronto, May 26, 1985.

DAVID A. ROBBINS, Professor of Mathematics
Robbins, et al., "Internal functionals and bundle duals," in *International Journal of Mathematics and the Mathematical Sciences* 7, 1984, pp. 689-695.

AUGUST E. SAPEGA, Karl W. Hallden Professor of Engineering

"GSX with Turbo Pascal," in *Personal and Professional*, December, 1984.

CRAIG W. SCHNEIDER, Associate Professor of Biology

"Studies on *Antithamnionella*, *Callithamniella* and *Calloseris* (Rhodophyte, Ceramiales) from North Carolina, USA," in *Phycologia* 23:455-464, 1984.

THALIA SELZ, Writer-in-Residence

"The Way to El Mar," short story, in *O Henry Festival Stories 1985* (Trans-Verse Press, 1985); in *Story Quarterly* 19 (1985).

"The Enchanted Princess," short story in *Passages North*, Vol. 6, No. 1 (Fall/Winter 1984-85).

"In the Balance," chapter from *The Greek Garden*, *The Missouri Review*, Special Novel Excerpts Issue, Vol. 8, #1 (1984).

"The Urge," selection from *A Wall of Light* (novel), *White Oak Review*, Vol. 1, No. 1 (Summer, 1985).

Reading and discussion of her own short story at the Annual Writers' Conference, Connecticut Writers' League, Hartford, CT, May, 1985.

Reading of two of her own short stories, Center Church House, Hartford, CT, February, 1985.

BARBARA SICHERMAN, William R. Kenan, Jr. Professor of American Institutions and Values

"Female Progressions," review of C.M. Eckhardt, *Fanny Wright*, L.B. Costin, *Two Sisters for Social Justice*, and W.D. Miller, *Dorothy Day*, for *Times Literary Supplement* (March 15, 1985), p. 296.

"After College, What?: Change and Continuity in Women's Work Experiences." Paper presented at Mount Holyoke College, Sesquicentennial Symposium on Women and Education in America, September 22, 1984.

"Public/Private: Rethinking the Paradigm." Paper presented at the Women's Studies Faculty Retreat, University of Connecticut, May 3, 1985.

"Science, Gender, and the Research Process." Paper presented at the Harvard Medical School, April 10, 1985.

"Writing Biography." Lecture presented at the Connecticut Writers Conference, Trinity College, May 4, 1985.

"Alice Hamilton's Career in Occupational Health." Lecture presented at the History of Medicine Seminar, University of Connecticut Health Center, October 15, 1985.

"The Hamiltons." Lecture presented at the Lyme Historical Society in Old Lyme, CT, July 16, 1985.

MARK P. SILVERMAN, Associate Professor of Physics

"Rotation of a Spinless Charged Particle in the Presence of an Electromagnetic Potential," in *Lettere al Nuovo Cimento* 41, 509, 1984.

"Theory of the Liquid-Vapor Transition of a Perfect Binary Solution," in *Journal of Chemical Education* 62, 112, 1985.

Silverman, et al., "Coherent Light Scattering at the Interface of an Isotropic Chiral Medium and Homogeneous Inactive Dielectric," in *Bulletin of the American Physical Society* 30, 798, 1985.

"On the Use of Multiple-Valued Wave Functions in the Analysis of the Aharonov-Bohm Effect," in *Lettere al Nuovo Cimento* 42, 376, 1985.

"Science as a Human Endeavor," in *American Journal of Physics* 53, #8, 1985.

Silverman, et al., "Reflection and Refraction of Light from a Homogeneous Gyrotropic Medium." Paper presented at the Meeting of the Optical Society of America, San Diego, CA, October 29-November 2, 1984; also published in *Optics News* 10, 92, 1984.

Silverman, et al., "Coherent Light Scattering from a Chiral Medium." Paper presented at the Meeting of the American Physical Society, Washington, D.C., 24-27, April, 1985.

Participant at the Gordon Research Conference on Nonlinear Optics, Brewster Academy, Wolfeboro, NH, July 29-August 2, 1985.

"Quantum Interference in Highly Excited Atoms." Lecture presented at the State University of New York, Albany, NY, December 7, 1984.

"Enhanced Internal Reflection: A Novel Way to Amplify Light." Lecture presented at Amherst College, Amherst, MA, April 4, 1985.

RANBIR VOHRA, Charles A. Dana Professor of Political Science

"Mao and the Making of China's Foreign Relations." Paper presented at the IPSA meeting, Paris, France, July, 1985.

"Asian Studies: The Insider's View." Paper presented at the Asian Studies: "How We Learn, What We Teach" Workshop, Loomis Chaffee School, Windsor, CT, November 16-17, 1984.

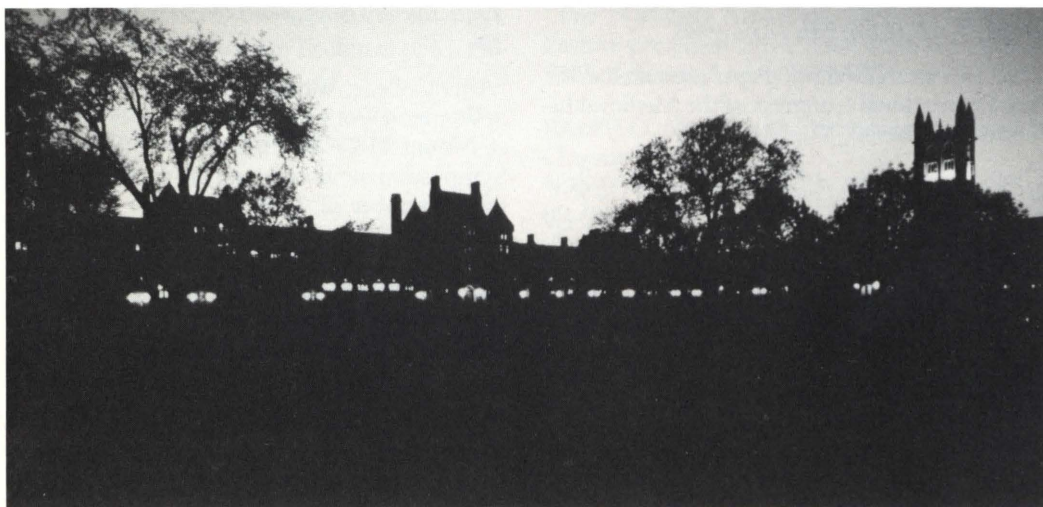
JAMES L. WEST, Associate Professor of History

"The Rjabusinskij Circle: Russian Industrialists in Search of a Bourgeoisie, 1909-1914," in *Jahrbuecher Fuer Geschichte Osteuropas*, Vol. 32/3, 1985.

"Two Views of the Russian Bourgeoisie, 1905-1914." Paper presented at the Annual Convention of the Association for Advancement of Slavic Studies, New York, NY, November, 1984.

E. FINLAY WHITTLESEY, Professor of Mathematics

"The Morse-Palais Lemma for Banach Spaces," in *Abstracts of Papers Presented to the American Math. Soc.*, Issue 33, v. 5 #5, p. 339, August, 1984.



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