Citing three months of study by a blue-ribbon ad hoc committee on university consolidation, which was recom-
mended by the provost, President Berkowksi announced on July 12 a plan to merge three colleges into a college of Arts and Sciences. At a news conference, Berkowksi said he had notified faculty of his decision to merge the colleges of Arts and Letters, Social and Behavioral Sciences, and Natural Sciences into a single unit.

Provest Gerry Meisels said the most persuasive argument made by the committee, which was headed by Communication Chairman Art Bochner, was that the structure of lib-
erals and the sciences should support USF's mission.

The committee completed its work in April.

"One of our missions is to create a strong academic core at the university. Merging colleges will strengthen the role of the liberal arts as the cornerstone of education at USF and encourage interdisciplinary research programs. Strength and cohesive-
ness among different areas are more easily achieved in a single College of Arts and Sciences than in separate colleges," Berkowksi said.

"Change is always difficult," Berkowksi wrote in his letter to the "New that the decision is made, however, we have to trust that we can all unite to imple-
ment it in the best interest of the uni-
versity. We hope for stronger liberal arts programs and a better academic experience for our students." Meisels said Berkowksi's vision is for USF to become distinctive and dis-
tinguished as one of the top state uni-
versities.

Berkowksi said USF will conduct a national search for a dean beginning in September. He said the merger will not formally take place until the new dean is in place, possibly in the fall of next year.

Natural Sciences Dean Leon Man-
edell, Tact Chair, and External Arts and Letters Dean William Heim will remain in their positions until the new dean is named, Berkowksi said.

New College Provost Benedetti resigns

Robert Benedetti has resigned his position as provost of New College and has accepted a position as dean of the liberal arts school at the University of the Pacific in Stockton, Calif.

"The challenge offered me at the University of the Pacific is an attract-
ive," he said in a letter to the New College faculty. At USF, he said, he will have the opportunity to design a new general education curriculum and continue teaching.

As dean, he will work with 150 faculty members and more than 1,500 students. At New College, Benedetti was in charge of 50 faculty members and about 500 students.

UP is a private institution with a total enrollment of about 4,000. The school's liberal arts college has more than 20 departments.

"I think we were all terrifically impressed with him and felt he had a good grasp of the general issues of a liberal arts college," said Roy Whi-
teker, the current dean of liberal arts at UP. Whitenaker said at least 100 people had applied for the position.

Benedetti's career at New College began in August, 1970, when he was an assistant professor in political science.

He graduated cum laude from Ambrose College and earned his mas-
ter's and doctoral degrees in political science from the University of Pennsyl-
vania, where he was a Kent Fellow. Benedetti is currently chairman of the Florida Endowment for the Humanities, and is on the board of directors of the American Conference of Academic Deans, and the editorial board of the Journal of the Florida Political Science Association.

He is also chairman of the Sarasota City and County Committee for the Bicentennial of the Constitution, and is on the board of directors of the Sarasota Committee of Civic League and the Sarasota Institute for Lifelong Learning.

In the letter to the faculty, Benedetti said he would leave Sarasota with good memories "and 19 years of experience at the best of colleges. " I carry with me the ideals of New College and the realities of the many friendships made here," he said.

Briefly

USF wins SERVE Award

USF received a Merit Award for Outstanding Speaker Bureau Participa-
tion from the School Enrollment Recruitment and Event Planning (SERVE) program. SERVE, a program funded by the state Department of Education and other agencies, gives awards every year to individuals and agencies who have volunteered in Florida public schools. USF was in the Government Agency category for furnishing a large number of staff, faculty and students who volunteered as speakers in the school system.

Undergraduate Dean William Scheuerle accepted the award.

"I think this shows two things about the people at USF," Scheuerle said. "One that they have a keen interest in voluntarism, and two, that they have a keen interest in public education.

Center wins award

The Center for Economic Educa-
tion received the Exemplary Business Partnership Award June 9. Director Dick Puglisi accepted the award at a ceremony at the Howard Johnson Plaza Hotel in Tampa. The award was given in recognition of the partnership the center has created with Tampa Bay Business, KPMG Peat Marwick and the Florida Council on Economic Education through the Tampa Bay Business Hall of Fame Distinguished Lecture Series.

Enrollment up

Summer enrollment at the Fort Myers campus is slightly higher this year. Classes opened May 8 for 497 students. And the 1988 graduating class was the largest in the history of the campus—190 students.

We're number 6

The June 11-17 issue of Tampa Bay Business says USF is the sixth-largest employer in Hillsborough County with 4,690 employees. Close on USF's heels are TECO Energy Inc. (4,462 employees) and the City of Tampa (4,085). Just ahead of USF are GTE Florida (4,811) and Tampa Interna-
tional Airport (5,140). The Hills-
borough County School Board, with 15,884 employees, is by far the largest employer in the county.

Chemistry grads

A survey in Chemical and Engineer-
ing News ranks USF 18th in the coun-
try in the number of undergraduate chemistry degrees awarded in 1987.

"What makes this particularly significant is that USF is in the top 25 in chemistry degrees, while USF was not among the top 25 in chemistry degrees in 1986," said USF's provost.

"Our chemistry students are doing wonderful work," said USF President John Leach.
Helton uses art and adventure to teach mathematics

Picture Sonia Helton in the 1960s and you would see an artist in stretch pants and oversized men's shirts, her paintbrush sketching out neon-colored squares and barbwire that connect to form one gigantic diamond.

Op art, Helton was hooked on it, and she used it to her advantage. This artist has since parlayed creative arts into solid contributions in mathematics.

If you don't think this adds up, try again. Helton will tell you art plus math equals a successful way of teaching children problem-solving skills in mathematics. It's called creative math, and Helton finds it changes established, fearful attitudes children have toward learning geometry and dreaded decimals.

Her theory has shaped her long career as an educator who once wrote and illustrated children's stories about talking chickens and scavenging cows and now writes text books on creative math for the primary grades.

"Math traditionalists say math and art don't mix, like water and oil," says Helton, a professor of childhood education at USF St. Petersburg. "But I think like a Greek—the mother of all arts is mathematics."

Math is beautiful, she says, and she teaches youngsters to appreciate it by turning matriculations from an arduous, often despised task into a game—"If you don't think this adds up, try again," she says. "Artists, always inventing and looking for new structures, making associations and analogies," she says.

The new, creative curriculum never took hold, largely because "people lacked an understanding of its purpose and direction," Helton says. A strong push from the conservative right in the mid-'70s sent children and curriculum "back to the basics."

Only recently have educators recognized children need to be taught cognitive skills—investigation, estimation and reasoning—so they can solve whatever problems they encounter.

She puts it simply: "We're not producing enough creative mathematicians in this country."

Study after study proves this point. American students lag dramatically behind their foreign peers in math and science knowledge, sparking national debate about the failures in American education.

"Children just do not have the problem-solving skills they need," she says. "I've been saying this all along."

"People are now finding out children need much, much more. They need to know how to think, not just how to count."

She says that's what the arts have to offer—math—the creative problem-solving skills artists have.

"Artists have always viewed problems from a different solving aspect," she says. "But most people never have grasped the idea of using creative teaching math with science and making the connection with creative kids with thinking and the arts, she says.

Math is a language in itself, and if a student's mathematical skills are lacking an understanding of its purpose and direction, Helton makes it fathomable.

"People say that working in math that estab- lished attitudes toward learning math can be changed and achievement will improve."

New financial aid form developed

A form developed by the Office of Financial Aid as a labor-saving tool helped USF students secure an extra $800,000 in federal aid in the past academic year.

The Change in Circumstances Form (financial aid officers review a glance special financial or family matters that may affect a student's status concerning federal aid.)

USF officials have been invited to present the form at a national financial aid conference later this month in Washington, D.C.

So far, USF is the only university in the United States to use such a form, said Gwyndolyn Francis, USF's director of financial aid. Before the form was adopted, students' financial status had changed would have had to write a letter detailing their circumstances.

"What we've done is to put some structure to it," Francis said. "This form standardizes the administrator's professional judgment, allowing for fair and consistent considerations of financial aid. It's made our work a lot easier."

The form gives administrators all the information they need, and no more. Students' letters about financial aid requests often contained irrelevant facts or omitted necessary information.

Symmetry and patterns became her specialty; paint, color and design were her personal math symbols. Helton formed her international reputation on how children can learn math through these visuals. For 10 years, the posters were used widely in school systems.

True mathematicians think like artists, "always inventing and looking for new structures, making associations and analogies," she says.

Above is one of Helton's math-inspired creations.

remedy that, the National Science Foundation has spent millions revising and developing math and science curriculum. The atmosphere was ripe for the idea that math could be taught through creative arts.

Melvin Zolton, one of Helton's international repute, says, "It's called creative math, and it's a natural for teaching math in the primary grades."

Children in grades kindergarten to second are learning how to add and subtract fractions, or to form one gigantic diamond.

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Faculty/Staff Notes

Appointments
Richard A. Davis, Geology, was appointed to the Committee on Undiscovered Oil and Gas Resources by the National Research Council.

Howard Knoff, Psychological and Social Foundations, was named president of the National Association of School Psychologists. He assumed the post July 1.

Susan A. MacManus, Public Administration and Political Science, was appointed to a three-year term on the Editorial Board of the Journal of Public Administration Research and Theory.

Awards
Glen Catalano, Psychiatry and Behavioral Medicine, for receiving the Fellows of the College of Medicine’s John E. Turchi Teaching Resident of the Year Award. Third-year medical students elected the winner of the award every year.

Gilbert Huntchcraft, associate dean, Fort Myers, received the “Outstanding Educator Post Secondary Award” for 1988-89 from the Southwest Florida Chapter of Phi Delta Kapp.

Judith Kase-Pollitt, Secondary Education, was invited into the College of Fellows of the American Education Research Association at the John E. Kennedy Center for the Performing Arts in Washington, D.C. April 23.

Barbara L. Nicholson, Physics and Biophysics, received a Distinguished Service Award from her department.

Carolyn Spillman, Education (Fort Myers), received USP's Excellence in Undergraduate Teaching Award.

Heather Stockwell, Public Health, received a national merit award from Delta Omega, the national public health honor society, for outstanding achievement in public health.

The staff of WFSF-TV won a Judges Award and an Award of Distinction at the Florida Public Relations Association Golden Image Awards for its Fifth Anniversary Poster.

Elections
Paul E. Givens, Engineering, was elected secretary/treasurer of the Society of Engineering Management Systems of the Institute of Industrial Engineers.

Judith Kase-Pollitt, Secondary Education, was elected to the Board of Directors of the American Alliance for Theatre and Education in March.

Arup P. Kulkarni, Public Health, was elected to membership in the Tau Delta Pi, a national honor society, and to membership in Teratology Society of USA.

Grants
Louis Bowers and Stephen Kehin, Physical Education, received a grant to establish a branch of the national foundation to continue their "The Fitness Network," a program to aid educators who teach handicapped children.

Stuart Brooks and Heather Stockwell, received a grant from the Florida Department of Environment.

mental Regulation to study human health and disease risks from sugar cane harvesting.

Arul Kulkarni, Public Health, was designated principal investigator for the Center for Research in Benzo(a)pyrene Metabolism in Human Placenta "by the Council for Tobacco Research USA, Inc., and co-investigator for "in vitro micronucleus phytoestrogenic and oral-chlordan" by the National Institute of Dental Research.

Marie D. Sauro received a $22,000 grant from the American Heart Association for research on the effects of the hormone prolactin on blood vessels.

Ava Vickery, Public Health, received renewals of National Institute of Health and World Health Organization grants to continue research on opportunistic parasitic infections in immunodeficient individuals.

Presentations

Gerard A. Brandwein, Sociology, presented "Baseball Ideology Among Players in the Pre-1970 Era of Management Hegemony" at the annual meetings of the National American Sociology for Sport History at Clemson University May 29.

Janusz Z. Byczkowski, Public Health, presented "Novel Pathways for Activation of Benzo(a)pyrene" for the American Association for Cancer Research, Pharmacology and Toxicology at Louisiana State University May 22.

Drew Cook, Public Health, presented "Periconade: a potential pathway for neurotoxicity in Down's syndrome" at the annual meeting of the Society for Toxicology in Atlanta, Cook and Arun Kulkarni, Public Health, won the first place award (a certificate and $250) for outstanding research in reproductive toxicology in the Florida Student Category for the presentation.

Glancy Cunningham and Monisha Metz-Wiseman, Tampa Campus Library, presented "Against All Odds: Redefining the Two-Credit Library Course in a Multi-faceted Reference Environment" at the American Library Association Conference in Dallas in June.

Joseph S. DelSavo, Economics/Center for Economic and Management Research, presented "A Methodology for Measuring the Direct Impact of a Port" at the 20th Anniversary Meeting of the Mid-Continent Regional Science Association in Minneapolis June 2.

Andrea Dimino, English (New College), presented "A Time Altered to Fit the Dream: Temporal Structure and the Narrative of險人W earen’s "Animal Abolition" at the Northeast Modern Language Association Conference in Williamsburg, Del. April 2 and "It's Not a Born Woman; Political Writing and the Macedonian Women’s Lib蒜ure" at Georgetown University April 11.

Josephine Evans, FAMI Library, presented the "Public Service Libraries "at the Mentally II" at the American Library Association Conference in Dallas in June.

Frank Freshour, Childhood/Language/Art/Learning and Education, presented "How to Improve Your Listening and Speaking Skills" at the Professional Development for Women Conference in Orlando in February; "The Power of Listening" at the Employees Assistance Conference in Orlando in February; "Coping with the Coming Values Col0 nization" at the Association of Teachers of Foreign Languages and Culture Association in St. Croix in April; "Making the Sale by Listening" at the Annual Conference Institute 20th anniversary convention in Atlanta in May; and "Staying on Top Through Listening" at the U.S. Department of Labor, Inspector General Conference in Orlando in May.

Madelyn Issacs, Student Affairs (Fort Myers) gave a lecture as part of a panel on "Ethics in a Multi-Cultural Society" at the annual meeting of the Gulfcoast Girl Scouts.


Joun F. Kaywell, English Education, presented "Teaching Critical Think­ing Through Poetry" at the National Teachers of English Convention in Charleston, S.C., in April.

John Keith, Tampa Campus Library, presented "Trends in Print and Internet Sources" at the American Library Association Conference in Dallas in June.

Michael D. Knox, Department of Community Mental Health, with Michael G. Dow of the same department, presented "Tuberculosis and Discomfort in Working with HIV Positive Patients: The Ethics of Confidentiality" at the American Library Association Professional Ethics Committee in Dallas in June.


Stephen E. Polzin, Center for Urban Transportation Research, presented "Rethinking the Role of the Transit System Plan" at the Transportation Research Board's Second Conference on Application of Transportation Planning Methods in Orlando April 24-28.

POLZIN

David Schapira, Internal Medicine, for receiving the "Graduate Breast Cancer Risk" with K. Kumar, G. L. Farnsworth, and Charles Cox, Surgery; and "Serum Ferritin and Stool Oocul Blood and Colon Cancer Risk" with K.R. Griffiths at the International Society for Prev­ entive Oncology meeting in Nice, France, April 13 and 14.

Ava Vickery, Public Health, presented "Applications of Biotechnology on the Study of Animal Parasites in Asia" at the National Science Foundation USA-Indonesia Conference in Indonesia in June.

Eric Wickstrom, Chemistry, Biometry and Molecular Biology, Surgery, gave an invited lecture on "Selection of Sensitive Antisense Targets on Oncogene Viral mRNAs" at the American Red Cross in Rockville, Md., June 1.

R. Mark Wilson, Economics, presented "Occupation, Occupation Change and Movement Within the Intra-Occupational Decile" with carole A. Green, Economics, at the Meetings of the Eastern Economic Association in Baltimore March 4.

Frank Young, Engineering (Lakeland), gave a presentation on the USP Lake­ land Program at a meeting of the American Society of Civil Engineers, Ridge Branch, Florida Section at the Lakeland campus June 9.

Laurence E. Zaporozhets, Tampa Campus Library director, presented "State of the Art" for Social History; Current Indexes and Abstracts to Popular Periodical Literature" at the 32nd Annual Missouri Valley History Conference in Omaha March 9-11.

She also presented "Selecting, Evaluating, and Managing Electronic Resources and the "Behavioral Sciences and Education" to the Behavioral Sciences Section Committee at the American Library Association Conference in Dallas in June.

Publications
Sami Banout, Public Health, published "National Health Care Systems: Where Do We Go from Here?” in the Florida Public Health Journal May 1990; and, with Robert Gerlach, "Introducing Quality Assurance in Hospitals Within the National Health Care System in Continued on next page...