Seismologist tells ‘shocking’ story of how he spent his summer vacation in South Pacific

Douglas A. Wiens — to deploy seismographs on the quake-prone, tranquil islands. The charm of Rodgers and Hammerstein and “Margaritaville” aside, the locale is the source for two of the world’s most exotic places — Tonga and Fiji in the South Pacific.

Most people would be hard-pressed to top the summer experience of a Washington University student team that is mapping the University’s grant administration process. Imagine a system without the hassles of pre-registration and contract administration processes. Does this seem like a dream? Thanks to a method called cross-functional process mapping and a summer of hard work by dozens of employees involved in the student registration process, the dream eventually may become a reality.

Students, faculty and staff involved in student registration had long suspected that there was too much paperwork involved until they gруezing three-day process mapping season in June, no one realized how inefficient the system really was.

“The team that is mapping the University’s grant administration processes didn’t realize how truly ugly the student registration process was,” said Stuart Yoak, Ph.D., University registrar.

Process mapping is a technique borrowed from business — specifically from the award-winning Motorola Inc. — to streamline and improve processes and reduce inefficient steps. The first two of three phases were facilitated by Charles J. Loes, and Don Midgett, senior applications consultants at Motorola University. For six full days in June, about 40 staff, faculty and students sat around a horseshoe-shaped table in the Location Center and meticulously dissected the student registration process step-by-step.

Student registrars were targeted for the first, major process mapping effort because “it is a good subtask of a complex process that cuts across the entire University and is at the center of the student experience,” explained Dennis Martin, assistant provost. In the course of student focus groups conducted by the Current Student Experience Cluster, it became clear that students want to be “well-served” while at Washington University. Remembering student registration processes, employees hope to improve the student experience.

Phase one, the “as is” step, took place June 5-8. Participants identified the hundreds of steps involved in student registration and “flowcharted” them on a piece of paper taped to the wall. At the end of three labor-intensive days, when the detailed map covered all four walls, it became obvious that there were many inefficient steps, redundancies and unnecessary “loops.”

“Process mapping is a technique borrowed from business — specifically from the award-winning Motorola Inc. — to streamline and improve processes and reduce inefficient steps. The first two of three phases were facilitated by Charles J. Loes, and Don Midgett, senior applications consultants at Motorola University. For six full days in June, about 40 staff, faculty and students sat around a horseshoe-shaped table in the Location Center and meticulously dissected the student registration process step-by-step. Student registrars were targeted for the first, major process mapping effort because “it is a good subtask of a complex process that cuts across the entire University and is at the center of the student experience,” explained Dennis Martin, assistant provost. In the course of student focus groups conducted by the Current Student Experience Cluster, it became clear that students want to be “well-served” while at Washington University. Remembering student registration processes, employees hope to improve the student experience.

Phase one, the “as is” step, took place June 5-8. Participants identified the hundreds of steps involved in student registration and “flowcharted” them on a piece of paper taped to the wall. At the end of three labor-intensive days, when the detailed map covered all four walls, it became obvious that there were many inefficient steps, redundancies and unnecessary “loops.”

The team, headed by well-known seismologist Douglas A. Wiens, Ph.D., associate professor of earth and planetary sciences, is making an exhaustive study of deep earthquakes in the region thanks to a three-year National Science Foundation grant.

Last summer, Wiens and research associate Patrick Shore, Ph.D., deployed eight seismographs on Tonga, Fiji and a tiny (approximately 2,500 people) island named Niue (New-way). In August Shore and Eric Roth, a doctoral student who works with Wiens, deployed three more seismographs on the islands. Either Shore or Roth also travels to the islands every three months to collect digital computer data from the machines. That data is then detailed look at deep earth structure and clues to the physical mechanism of deep earthquakes, which typically occur hundreds of miles below sea level.

“We’re in the ideal place to probe the questions scientists have about deep earthquakes,” said Wiens. “This is the most active zone for deep earthquakes anywhere in the world. We hope to get answers to questions about what happens during deep earthquakes and what physical forces cause them.”

A subduction zone is a region where one of the Earth’s gigantic, crust-supporting plates bends beneath another, creating various stresses that can cause earthquakes. Some seismologists believe that deep earthquakes occur from the same process as shallow ones — a slip along a brittle crack or fault in the Earth. But recent evidence leans toward the possibility of phase transformation — a change from one form to another, say, diamond — as the leading cause of deep earthquakes.

It has been thought that a major difference between shallow and deep earthquakes is that deep earthquakes are “ringing forward.” However, Wiens’ results may disprove this idea. The largest deep earthquake in 20 years struck last month at the edge of the region Wiens is studying. Registering 7.6 in the Richter Scale, that earthquake had uncharacteristically numerous aftershocks.

“The March earthquake happened right under the middle of all of our stations,” he said. “The exciting thing is we’ve been able to record a huge number of aftershocks from that event.”

Wiens said that the aftershocks seem to cluster along a fault plane that seems to “fit the fault planes of shallow earthquakes.”

Douglas A. Wiens — to deploy seismographs on the quake-prone, tranquil islands. The charm of Rodgers and Hammerstein and “Margaritaville” aside, the locale is the source for two of the world’s most exotic places — Tonga and Fiji in the South Pacific.

Most people would be hard-pressed to top the summer experience of a Washington University student team that is mapping the University’s grant administration processes. Imagine a system without the hassles of pre-registration and contract administration processes. Does this seem like a dream? Thanks to a method called cross-functional process mapping and a summer of hard work by dozens of employees involved in the student registration process, the dream eventually may become a reality.

Students, faculty and staff involved in student registration had long suspected that there was too much paperwork involved until they gруezing three-day process mapping season in June, no one realized how inefficient the system really was.

“The team that is mapping the University’s grant administration processes didn’t realize how truly ugly the student registration process was,” said Stuart Yoak, Ph.D., University registrar.

Process mapping is a technique borrowed from business — specifically from the award-winning Motorola Inc. — to streamline and improve processes and reduce inefficient steps. The first two of three phases were facilitated by Charles J. Loes, and Don Midgett, senior applications consultants at Motorola University. For six full days in June, about 40 staff, faculty and students sat around a horseshoe-shaped table in the Location Center and meticulously dissected the student registration process step-by-step. Student registrars were targeted for the first, major process mapping effort because “it is a good subtask of a complex process that cuts across the entire University and is at the center of the student experience,” explained Dennis Martin, assistant provost. In the course of student focus groups conducted by the Current Student Experience Cluster, it became clear that students want to be “well-served” while at Washington University. Remembering student registration processes, employees hope to improve the student experience.

Phase one, the “as is” step, took place June 5-8. Participants identified the hundreds of steps involved in student registration and “flowcharted” them on a piece of paper taped to the wall. At the end of three labor-intensive days, when the detailed map covered all four walls, it became obvious that there were many inefficient steps, redundancies and unnecessary “loops.”
Three associate directors named for new centralized billing and collection operation

T hree associate directors have been named to head a new centralized billing and collection operation at the Washington University School of Medicine.

Catherine A. Grady has been appointed associate director for internal medicine operations. For the past four years, Grady has been medical director of Patient Accounts for the Mallinckrodt Institute of Radiology, where her responsibilities have centered on managing billing and collection, supervising a staff of 40 employees and preparing budgets and financial reports. She was instrumental in the transfer of Radiology’s technical component charges to Barnes and St. Louis Children’s hospital. Prior to joining Radiology, she was director of business services for Health Key, a multispecialty medical group. There, she gained experience in patient accounts in the specialties of internal medicine, obstetrics/gynecology, pediatrics, surgery, cardiology and others. She holds master’s degrees in business administration and healthcare administration. Both degrees are from Washington University.

John W. Seay has been appointed associate director for Department of Support Services. Seay served for the past two years as director of billing and collections for the Department of Surgery. His principal responsibilities have been in the areas of directing physician billing, charge capture, ambulatory care, scheduling and IDX systems. Seay’s strategic use of automation increased efficiency and lowered operating expenses in the department. Before coming to the School of Medicine, Seay held positions of financial responsibility at centralized billing and collection operations at St. Louis University School of Medicine and the University of Missouri-Columbia. He has 15 years of experience in multispecialty academic group practice administration and holds a bachelor’s degree in computer science from the University of Missouri-Columbia.

John W. Seay

Catherine A. Grady

Three associate directors have been named to head a new centralized billing and collection operation at the Washington University School of Medicine.

Catherine A. Grady has been appointed associate director for internal medicine operations. For the past four years, Grady has been medical director of Patient Accounts for the Mallinckrodt Institute of Radiology, where her responsibilities have centered on managing billing and collection, supervising a staff of 40 employees and preparing budgets and financial reports. She was instrumental in the transfer of Radiology’s technical component charges to Barnes and St. Louis Children’s hospital. Prior to joining Radiology, she was director of business services for Health Key, a multispecialty medical group. There, she gained experience in patient accounts in the specialties of internal medicine, obstetrics/gynecology, pediatrics, surgery, cardiology and others. She holds master’s degrees in business administration and healthcare administration. Both degrees are from Washington University.

John W. Seay has been appointed associate director for Department of Support Services. Seay served for the past two years as director of billing and collections for the Department of Surgery. His principal responsibilities have been in the areas of directing physician billing, charge capture, ambulatory care, scheduling and IDX systems. Seay’s strategic use of automation increased efficiency and lowered operating expenses in the department. Before coming to the School of Medicine, Seay held positions of financial responsibility at centralized billing and collection operations at St. Louis University School of Medicine and the University of Missouri-Columbia. He has 15 years of experience in multispecialty academic group practice administration and holds a bachelor’s degree in computer science from the University of Missouri-Columbia.

Catherine A. Grady has been appointed associate director for internal medicine operations. For the past four years, Grady has been medical director of Patient Accounts for the Mallinckrodt Institute of Radiology, where her responsibilities have centered on managing billing and collection, supervising a staff of 40 employees and preparing budgets and financial reports. She was instrumental in the transfer of Radiology’s technical component charges to Barnes and St. Louis Children’s hospital. Prior to joining Radiology, she was director of business services for Health Key, a multispecialty medical group. There, she gained experience in patient accounts in the specialties of internal medicine, obstetrics/gynecology, pediatrics, surgery, cardiology and others. She holds master’s degrees in business administration and healthcare administration. Both degrees are from Washington University.

John W. Seay has been appointed associate director for Department of Support Services. Seay served for the past two years as director of billing and collections for the Department of Surgery. His principal responsibilities have been in the areas of directing physician billing, charge capture, ambulatory care, scheduling andIDX systems. Seay’s strategic use of automation increased efficiency and lowered operating expenses in the department. Before coming to the School of Medicine, Seay held positions of financial responsibility at centralized billing and collection operations at St. Louis University School of Medicine and the University of Missouri-Columbia. He has 15 years of experience in multispecialty academic group practice administration and holds a bachelor’s degree in computer science from the University of Missouri-Columbia.
Washington People

John Holloszy, M.D. (right), professor of medicine, with exercise and aging study participant Norm Landgraf.

John Holloszy, M.D., professor of medicine, practices walking. He burns about 4,000 calories per week in a combination of strenuous work on exercise equipment, like effect of exercise on glucose transport and non-insulin dependent diabetes are largely preventable. The area of biology is a huge area to explore and the number of unsolved questions is unlimited. It's extremely exciting to me. "I wanted to do when I was little — explore. That is what research is." Holloszy herself put it best. "It's very exciting and what keeps him going."

During those two years at the University of Illinois, I was very impressed by the large and rapid changes in metabolism and cardiovascular function that occur in response to exercise training," he said. "I also became fascinated by the adaptive response to exercise and have stayed in this area of research." After two years, he returned to Washington University to take a two-year fellowship in the Department of Biochemistry under Carl Cori, M.D. There he studied the mineral-like effect of exercise on glucose transport into muscle. He then joined the preventive medicine department as an assistant professor and continued his studies of the acute and long-term adaptive responses of skeletal muscle and other tissues to exercise.

While conducting these studies to explain how exercise increases endurance and exercise capacity and normalizes fat and carbohydrate metabolism, he also established the first research group on exercise in elderly people who want to minimize these diseases. The Institute on Aging recognizes the practical value of keeping older people independent. This is a public health issue that has been recognized by many organizations.

During those two years at the University, I was very impressed by the large and rapid changes in metabolism and cardiovascular function that occur in response to exercise training," he said. "I also became fascinated by the adaptive response to exercise and have stayed in this area of research." After two years, he returned to Washington University to take a two-year fellowship in the Department of Biochemistry under Carl Cori, M.D. There he studied the mineral-like effect of exercise on glucose transport into muscle. He then joined the preventive medicine department as an assistant professor and continued his studies of the acute and long-term adaptive responses of skeletal muscle and other tissues to exercise.

While conducting these studies to explain how exercise increases endurance and exercise capacity and normalizes fat and carbohydrate metabolism, he also established the first research group on exercise in elderly people who want to minimize these diseases. The Institute on Aging recognizes the practical value of keeping older people independent. This is a public health issue that has been recognized by many organizations.

"During those two years at the University of Illinois, I was very impressed by the large and rapid changes in metabolism and cardiovascular function that occur in response to exercise training," he said. "I also became fascinated by the adaptive response to exercise and have stayed in this area of research." After two years, he returned to Washington University to take a two-year fellowship in the Department of Biochemistry under Carl Cori, M.D. There he studied the mineral-like effect of exercise on glucose transport into muscle. He then joined the preventive medicine department as an assistant professor and continued his studies of the acute and long-term adaptive responses of skeletal muscle and other tissues to exercise.

While conducting these studies to explain how exercise increases endurance and exercise capacity and normalizes fat and carbohydrate metabolism, he also established the first research group on exercise in elderly people who want to minimize these diseases. The Institute on Aging recognizes the practical value of keeping older people independent. This is a public health issue that has been recognized by many organizations.
Films
Thursday, Sept. 1
7-9 p.m. Filmboard Classic Series. "Craig's Wife" (1936, B&W). Room 100 Brown Hall. Cost: $1. (Also at 1:30 and 3:30 p.m. on Friday and 9:30 p.m. on Saturday.) Filmboard hotline, call 935-5983.

Friday, Sept. 2

Tuesday, Sept. 6
6:30-8:30 p.m. Chemistry seminar. "Lewis Acid Catalysis: Better Understanding Asymmetric Reactions," Marcello Di Mare, prof., of chemistry, U. of California, Santa Barbara. Room 311 McMillen Lab. 935-6539.

Wednesday, Sept. 7

Thursday, Sept. 8

Friday, Sept. 9

Saturday, Sept. 10

Exhibitions
"A Gallery of Modern Art." Features 85 19th and 20th-century masterpieces from the Gallery of Art's permanent collection, consid- ered one of the finest university collections in the country. Through Oct. 16. Opening reception: 7 p.m. Sept. 9. Gallery of Art, upper galley, Steinberg Hall. Hours: 10 a.m.-5 p.m. weekdays; 1-5 p.m. weekends. 935-5490.

"Herb Wettman: Quintessential Campus Photographer." Features the work of renowned Washington University photographer Herb Wettman, including 50 black-and-white and color photographs of the university's campus, students and professors. Through Sept. 11. Gallery of Art, lower gallery, Steinberg Hall. Hours: 10 a.m.-5 p.m. weekdays; 1-5 p.m. weekends. 935-5490.


Miscellany
Thursday, Sept. 1

Monday, Sept. 5
6:30-8:30 p.m. Chemistry seminar. "Lewis Acid Catalysis: Better Understanding Asymmetric Reactions," Marcello Di Mare, prof., of chemistry, U. of California, Santa Barbara. Room 311 McMillen Lab. 935-6539.

Tuesday, Sept. 6
6:30-8:30 p.m. Genetics seminar. "Behavior of Trichogyne fragile X Syndrome (FRAXA) and FRAXA," David Nelson, prof., of biology, Beloit College, Beloit, Wisconsin. Bayer College of Medicine, Waquo, Texas. 11 a.m.-12 noon. McMillan Hall. Cost: $3.

Wednesday, Sept. 7
5-8 p.m. Community education. "Eugeron Conservative Services in Education Theatre.

Thursday, Sept. 8
5-8 p.m. Cosmetic surgery. "Eugeron Conservative Services in Education Theatre.

Friday, Sept. 9
5-8 p.m. Plastic surgery. "Eugeron Conservative Services in Education Theatre.

Saturday, Sept. 10
5-8 p.m. Orthodontic care. "Eugeron Conservative Services in Education Theatre.

The following is compiled by Mike Wolf, director of sports information, and David Moenecost, assistant director.

Football
The defending national champions are back for more.
Having officially reached dynasty status with their third consecutive NCAA Division III crown — and fourth title in five years — Coach Teri Clemens' Bears must rely on some of its younger talent to make their first home appearance Sept. 9-10 at the Washington University Classic.

The Bears open the season at home at 7 p.m. Sept. 9 against the University of Scranton. The defending national champions have reached the stage where it is not enough to simply contend for the national championship. They're expected to win it. They, themselves, expect Stix International House. 935-4787.

Defensively, four all-conference players return, led by middle linebacker Matt Comarci, Belleville, Ill., a 1994 preseason All-American pick. Comarci, a four-year starter, has led the Bears in tackles every year of his career and his presence will be missed this season.

All other UAA players include lineemen Dave Brege, Akron, N.Y.; Aaron Boehm, Beaver Creek, Ohio, and Jeremy Bellingham, Colorado Springs, Colo.

Washington University's biggest hole is on offense where it must replace quarterback two-time all-UAA selection and two-time All-America selection Joe Doyle and two-time All-America selection Matt Comarci.

The good news for the Bear offense is that four of their top five running backs return, led by middle linebacker Matt Comarci, Belleville, Ill., a 1994 preseason All-American pick. Comarci, a four-year starter, has led the Bears in tackles every year of his career and his presence will be missed this season.

The Bears offense this season at home Sept. 9 and Saturday Sept. 10 at the Washington University Classic.
Kronos Quartet touches on classical music

E dison Theatre will be the site of what many say is a long-overdue return to the St. Louis area of the Kronos Quartet. The ensemble will open the 1994-95 "OVA-TIONS" season at 8 p.m. Sept. 17. The quartet will perform a special concert for children to kick off the "Ovations!" for young people" series at 2 p.m. Sept. 17.

The San Francisco-based Kronos Quartet last performed at Edison Theatre in early 1990. Since then, the foursome has built on its reputation as chamber music's premier performers of 20th-century compositions.

The group's 1994 visit will feature the St. Louis premiere of Nubian musician and vocalist Hamza El Din, who appears on the quartet's latest recording, "Pieces of Africa." El Din will perform "Isisacy," which has been called a "harrowingly beautiful piece in which the artist lamented for his village, which was flooded, and its people, forced to relocate after the Aswan High Dam was built."

"To open the Edison season with a group like Kronos Quartet is very exciting, especially knowing how their work has grown and evolved since their 1990 performance here," said Evi Warschawski, managing director of Edison Theatre. "Hamza El Din will push this already phenomenon, over the edge with the richness and texture he contributes."

The quartet's repertoire at Edison also will include compositions by H.M. Gorecki, Scott Johnson, Brent Michael Davie, Hirokazu Hisahiro and John Oswald. Rolling Stone magazine has said that the Kronos Quartet has shaken up classical music the same way the Beatles shook up pop. They play classical instruments — the violin, viola and cello — in rhythmic, sometimes disjunctive ways that is a far cry from traditional symphonic attire. This, coupled with the selections they perform, has helped the quartet reach a younger and hipper audience than the traditional classical music crowd, much like the Beatles managed to attract listeners a generation older than their streaming formlessness.

Tickets to "Ovations!" events are $20. Tickets to "Ovations! for young people" events are $10. Discounts are available for students and senior citizens, and subscription rates also are available. Tickets are available at the Edison box office or through Metrox at 534-1111. For more information, call 935-4107.

Faculty, staff members spread enthusiasm at new student orientation — from page 1

"It's important to welcome new members of the community and let them know about the staggering collection of diverse talent here." — Allen M. Schwab

"It's important to welcome new members of the community and let them know about the staggering collection of diverse talent here," said Allen M. Schwab, dean of the School of Music. "The students gave the jazz session a thumbs-up. "The live music was unexpected and was very, very good," wrote one student. 'The live music was unexpected and was very, very good," wrote one student. "The live music was unexpected and was very, very good," wrote one student. "The live music was unexpected and was very, very good," wrote one student. "The live music was unexpected and was very, very good," wrote one student. "The live music was unexpected and was very, very good," wrote one student. "The live music was unexpected and was very, very good," wrote one student. "The live music was unexpected and was very, very good," wrote one student. "The live music was unexpected and was very, very good," wrote one student. "The live music was unexpected and was very, very good," wrote one student.

As newcomers to the city, the students also enjoyed the architectural and histori- cal tours of St. Louis, which gave them an opportunity to learn about the city's history and the people who have lived here. "The history and culture of the city is fascinating," said one student. "The history and culture of the city is fascinating," said one student. "The history and culture of the city is fascinating," said one student. "The history and culture of the city is fascinating," said one student. "The history and culture of the city is fascinating," said one student. "The history and culture of the city is fascinating," said one student. "The history and culture of the city is fascinating," said one student. "The history and culture of the city is fascinating," said one student. "The history and culture of the city is fascinating," said one student.

"If you're one of those people who would love to volunteer at an area charity if only you had more time, "Days of Caring" is the project for you. The "Days of Caring" will bring together teams of employees from local businesses and non-profit organizations to perform full-day group volunteer projects at United Way-affiliated agencies across the metro-

United Way campaign kickoff encourages employee volunteerism

Employees may sign up for half- or full-day projects at United Way agencies during that week. Half-day sessions run approximately from 9 a.m. to noon or from 1 to 4 p.m. Full-day sessions are from 9 a.m. to 4 p.m. Volunteer projects might include food preparation, tutoring, translation and clerical work, work with children or the elderly, clerical or administrative help, or delivering meals to the homebound, among other areas.

Volunteer opportunities are available on the weekend for those who are unable to leave during the week. The program, which kicks off the 1994 United Way campaign, gives employees an opportunity to do much-needed work, while making it possible to see first-hand the results of these projects.

The students gave the jazz session a thumbs-up. The live music was unexpected and was very, very good," wrote one student. "The live music was unexpected and was very, very good," wrote one student. "The live music was unexpected and was very, very good," wrote one student. "The live music was unexpected and was very, very good," wrote one student. "The live music was unexpected and was very, very good," wrote one student. "The live music was unexpected and was very, very good," wrote one student. "The live music was unexpected and was very, very good," wrote one student. "The live music was unexpected and was very, very good," wrote one student. "The live music was unexpected and was very, very good," wrote one student. "The live music was unexpected and was very, very good," wrote one student.

"It's important to welcome new members of the community and let them know about the staggering collection of diverse talent here," said Allen M. Schwab, dean of the School of Music. "The students gave the jazz session a thumbs-up. "The live music was unexpected and was very, very good," wrote one student. "The live music was unexpected and was very, very good," wrote one student. "The live music was unexpected and was very, very good," wrote one student. "The live music was unexpected and was very, very good," wrote one student. "The live music was unexpected and was very, very good," wrote one student. "The live music was unexpected and was very, very good," wrote one student. "The live music was unexpected and was very, very good," wrote one student. "The live music was unexpected and was very, very good," wrote one student. "The live music was unexpected and was very, very good," wrote one student. "The live music was unexpected and was very, very good," wrote one student.

"It's important to welcome new members of the community and let them know about the staggering collection of diverse talent here," said Allen M. Schwab, dean of the School of Music. "The students gave the jazz session a thumbs-up. "The live music was unexpected and was very, very good," wrote one student. "The live music was unexpected and was very, very good," wrote one student. "The live music was unexpected and was very, very good," wrote one student. "The live music was unexpected and was very, very good," wrote one student. "The live music was unexpected and was very, very good," wrote one student. "The live music was unexpected and was very, very good," wrote one student. "The live music was unexpected and was very, very good," wrote one student. "The live music was unexpected and was very, very good," wrote one student. "The live music was unexpected and was very, very good," wrote one student. "The live music was unexpected and was very, very good," wrote one student.
The registration process mapping team is recommending several changes be made to the University's student registration process. The team recommends the University...
School of Medicine faculty members receive promotions

The following School of Medicine faculty member received promotions effective July 1, 1994, unless otherwise noted. These promotions were on record as of July 31, 1994. The faculty with an asterisk next to their names were on leave during the academic year.

Paul M. Allen to professor of pathology; Cynthia Arfken to associate professor of clinical pediatrics; Harold Burton to professor of medicine (Jan. 1, 1994); Anna M. August to associate professor of pediatrics (July 1, 1993); L. Baumer to assistant professor of clinical medicine; Etiology of Alzheimer’s Disease.” Their research focused on the genetics of Alzheimer’s disease and the development of new methodologies for using customer databases to forecast consumer trends and sales of the sources. The competition was sponsored by The Direct Marketing Association and The Direct Marketing Educational Foundation.

Michelle Van Eerdewegh to assistant professor of psychiatry, child psychiatry (July 1, 1993); Go Wang to assistant professor of radiology (Jan. 1, 1994); Robert H. Wang to professor of pathology (July 1, 1993). Donald S. Sloan to associate professor of medicine (also associate professor of genetics) (Dec. 3, 1994); Anne Pettman to assistant professor of clinical medicine; Steven J. Plax to professor of clinical pediatrics; Charles G. Pond to professor of anesthesiology (July 1, 1993); Daniel Potts to associate professor of clinical medicine; Martin D. Rudloff to assistant professor of biostatistics; Daniel D. Pugh to associate professor of psychiatry; Cynthia Arfken to associate professor of clinical medicine; Richard L. Lazaroff to associate professor of pediatrics (July 1, 1993); Rand E. Dankner to assistant professor of clinical medicine (July 1, 1995); Elaine Davis to research assistant professor of neurology (Oct. 31, 1993); Richard T. Conner to assistant professor of anesthesiology (also instructor in anesthesiology in pediatrics) (July 1, 1993); Philip L. Carter to assistant professor of pathology and visual sciences (July 1, 1993); John S. Daniels to associate professor of clinical medicine; Rand E. Dankner to assistant professor of clinical medicine (July 1, 1993);

Ellen Davis to research assistant professor of neurology and neurosurgery (July 1, 1993); Ray S. Davis to assistant professor of clinical pediatrics; Joan C. Dowsey to assistant professor of clinical pediatrics (July 1, 1993); James Duncan to assistant professor of clinical obstetrics and gynecology (Jan. 1, 1994); Randall A. Clark to assistant professor of otorhinolaryngology; Ray C. Close to professor of anesthesiology and surgery; Gerald K. Cottone to professor of cell biology and physiology (Oct. 31, 1993). Michael T. Connor to assistant professor of anesthesiology (also instructor in anesthesiology in pediatrics) (July 1, 1993); Philip L. Carter to assistant professor of pathology and visual sciences (July 1, 1993). John S. Daniels to associate professor of clinical medicine; Rand E. Dankner to assistant professor of clinical medicine (July 1, 1993);

Obituaries

Former dean Ross M. Trump dies at 82

Ross M. Trump, Ph.D., former dean of the School of Business, died of a respiratory infection on Aug. 13, 1994 in his home in Naples, Fla. He was 82. Trump was dean of the business school from 1954 until 1968. During his tenure, he established the Graduate School of Business and oversaw the accreditation by the American Association of Schools of Business of the school. He also served as the School of Business, a graduate school and a professional school of the University of Virginia. In 1968, Trump was also named dean of the School of Business and was named provost of the University in 1971. He served as dean of the School of Business and was appointed dean in 1974. He received his Ph.D. in business administration from the University of Virginia in 1974 as a reappointed professor in 1945. He was also a graduate of the School of Business and the College of Business and Administration at the University of Virginia. He was a lifelong member of the Cypress Lake Presbyterian Church in Naples, Fla. Ross M. Trump, 82, died at his home with his wife, Florence, to Florida. In addition to his wife, he was survived by two daughters, Cynthia Doyle of Hilton Head, S.C., and Barbara Nudelman of Coral Gables, Fla. Memorial contributions may be made to the Cypress Lake Presbyterian Church, 2820 Cypress Lake Drive, Fort Myers, Fla., 33919.
Librarian, Part time
950013. George Warren Brown School of Social Work. Requirements: Bachelor's degree; strong communication and interpersonal skills; ability to work under pressure; typing 50 wpm with accuracy; ability to proofread own work; transcription experience; above average knowledge of English grammar and spelling; ability to train personnel; pleasant telephone manner required. Resume required.

Word Processing Operator, Part time
950020. George Warren Brown School of Social Work. Requirements: High school graduate, some college preferred; typing 50 wpm with accuracy; ability to proofread own work; transcription experience; above average knowledge of English grammar and spelling; attention to detail; good verbal and written communication skills; professional telephone skills. Clerical tests required.

Departmental Secretary
950037. Major Gifts: Requirements: Some college education; strong capacity to use on-line data bases and library-related information sources; typing 50 wpm with accuracy; ability to proofread; strong people skills; ability to do a good job on short notice while learning and carrying out this function. Resume preferred.

Administrator, Center for Mental Health Services Research
950046. George Warren Brown School of Social Work: Requirements: Master's degree in social work or related master's degree; knowledge of mental health services; excellent written and verbal communication skills; administrative competence; experience in grant writing; knowledge of the research process; two years professional experience, preferably in a management capacity in mental health. Resume required.

Special Projects Assistant
950402. Olivia Library. Requirements: Two years of college-level study or equivalent work experience; ability to work with details in an organized and accurate manner; physical fitness required; ability to work with accuracy in a rapidly changing environment; effective and flexible to perform a wide variety of duties with the possibility of evening work and/or weekend; library experience required. Resume required.

Technical Sales Specialist
950407. Campus Stores. Requirements: Some college or two years of personal computer experience; user of personal computers and popular software; experience using a variety of microcomputer peripherals, such as modern and printers; physical ability to lift system components; ability to work evenings and Saturdays. Resume required.

Production Coordinator/Assistant Designer
950502. Medical Public Affairs. Requirements: Bachelor's degree; strong communication and interpersonal skills; ability to work under pressure; typing 50 wpm with accuracy; willingness to work evenings and weekends. Clerical tests required.

Sales Associate
950509. Campus Stores. Requirements: Good customer relations; ability to stand, lift display merchandise; organizational skills; flexibility; cash handling experience; typing 40 wpm with accuracy; willingness to work evenings and weekends. Clerical tests required.

Client Services Specialist
980031. Academic Computing Network. Requirements: High school graduate or comparable experience; excellent interpersonal skills and willingness to work with students and student employees; user of computer systems, such as UNIX, Microsoft PC, Macintosh, and mainframe; experience with networking, computer systems; LANS; comfortable with rapidly changing technology. Resume required.

Administrative Assistant/Alternate Workforce Coordinator
950032. John M. Olin School of Business. Requirements: Secretarial school or some college preferred; some knowledge of word processing; ability to type 50 wpm; experience with Macintosh and PageMaker on the Macintosh, and Word Perfect, Microsoft Word and Windows; good communication and interpersonal skills; ability to work independently; typing 55 wpm with accuracy. Clerical tests required.

Departmental Secretary
950037. Major Gifts: Requirements: Some college education; strong capacity to use on-line data bases and library-related information sources; typing 50 wpm with accuracy; ability to proofread; strong people skills; ability to do a good job on short notice while learning and carrying out this function. Resume preferred.

Administrator, Center for Mental Health Services Research
950046. George Warren Brown School of Social Work: Requirements: Master's degree in social work or related master's degree; knowledge of mental health services; excellent written and verbal communication skills; administrative competence; experience in grant writing; knowledge of the research process; two years professional experience, preferably in a management capacity in mental health. Resume required.

Special Projects Assistant
950402. Olivia Library. Requirements: Two years of college-level study or equivalent work experience; ability to work with details in an organized and accurate manner; physical fitness required; ability to work with accuracy in a rapidly changing environment; effective and flexible to perform a wide variety of duties with the possibility of evening work and/or weekend; library experience required. Resume required.

Technical Sales Specialist
950407. Campus Stores. Requirements: Some college or two years of personal computer experience; user of personal computers and popular software; experience using a variety of microcomputer peripherals, such as modern and printers; physical ability to lift system components; ability to work evenings and Saturdays. Resume required.

Librarian, Library
950506. John M. Olin School of Business. Requirements: High school graduate, some college preferred; library technical services experience; typing 50 wpm; ability to proofread; pleasant written and verbal communication skills; interpersonal skills; ability to assist patrons; ability to train personnel; ability to work independently; typing 55 wpm with accuracy. Clerical tests required.

Medical Secretary I
950509. University Registrar. Requirements: High school graduate or equivalent; typing 50 wpm; experience with data processing systems; familiarity with principles of computer systems; experience with WordPerfect and Microsoft Word; typing 60 wpm.

Secretary II
950512. Radiology. Requirements: High school graduate or equivalent; some clerical experience; word processing and spreadsheet experience; typing 50 wpm; experience with PerfectWeb 5.1.

Medical Secretary I
950513. Radiology. Requirements: Part time; 20 hours per week, flexible hours. Requirements: High school graduate or equivalent; some clerical experience; ability to work independently; typing 50 wpm; some computer experience; knowledge of medical terminology; experience with Windows and Microsoft Word; typing 60 wpm.

Medical Secretary I
950513. Radiology. Requirements: Part time; 20 hours per week, flexible hours. Requirements: High school graduate or equivalent; some clerical experience; ability to work independently; typing 50 wpm; some computer experience; knowledge of medical terminology; experience with Windows and Microsoft Word; typing 60 wpm.

Medical Secretary I
950513. Radiology. Requirements: Part time; 20 hours per week, flexible hours. Requirements: High school graduate or equivalent; some clerical experience; ability to work independently; typing 50 wpm; some computer experience; knowledge of medical terminology; experience with Windows and Microsoft Word; typing 60 wpm.

Medical Secretary I
950513. Radiology. Requirements: Part time; 20 hours per week, flexible hours. Requirements: High school graduate or equivalent; some clerical experience; ability to work independently; typing 50 wpm; some computer experience; knowledge of medical terminology; experience with Windows and Microsoft Word; typing 60 wpm.

Medical Secretary I
950513. Radiology. Requirements: Part time; 20 hours per week, flexible hours. Requirements: High school graduate or equivalent; some clerical experience; ability to work independently; typing 50 wpm; some computer experience; knowledge of medical terminology; experience with Windows and Microsoft Word; typing 60 wpm.