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Taiwanese painter, poet Lo Ching is a Fulbright scholar-in-residence this semester. This is his first American teaching experience. While at the University, he will teach classes, lead workshops and exhibit his work.

An interdisciplinary approach

Painting, poetry merge in Taiwanese scholar's art and teaching

In fact, the Chinese tradition calls for writing on a painting. A poem, parallel to the image, is inscribed on the canvas. It wasn't until Lo came to the United States that he realized there was a clear-cut difference between the two.

While here, Lo will employ that same interdisciplinary approach in teaching two classes and one workshop. In "Topics in Modern Chinese Painting," an art history and archaeology class, he is offering students a retrospective of 20th-century Chinese painting from the view of both a painter and a collector. He is co-teaching a comparative literature class with William H. Matheson, Ph.D., professor of comparative literature. The class will take an interdisciplinary view of what will follow post-modern literature. Eleven guest lecturers — from psychology to philosophy — will discuss how post-modernism will evolve into the 21st century.

Lo will work with faculty and students in the Collaborative Print Shop, producing a series of lithographic prints.

Campus celebrates cultural diversity

From understanding bigotry and how to combat it, to highlighting the food, fashions and lives of different ethnic groups, this year's Cultural Celebration is designed to unite the entire Washington University community.

The annual weekend event highlights the diversity of cultures through a variety of programs. Cultural Celebration will be held Feb. 8-12 on campus. All events are free and open to the public, unless otherwise noted.

"Cultural Celebration highlights more than cultural diversity — it is a celebration of community," says Tracy Swatts Whitfield, the Campus Y program director who is helping students organize the event. "Through teamwork and group responsibility, students from varied racial and ethnic cultures put into action the shared vision of a unified global campus community."

Comedian and social critic Bertice Berry will deliver the Cultural Celebration Lecture at 11 a.m. Wednesday, Feb. 10, in Graham Hall. Her talk is titled "But Some of My Best Friends Are: The Existence of Bigotry Around Us — Toward a Broader Perspective."

Following Berry's talk, a reception in her honor will be held in Brown Hall Lounge.

At 7 p.m. Feb. 10 in The Gargoyle, Mallinckrodt Center, she will perform a comedy routine during an international coffee and tea hour. A live band will perform during the event.

Berry, who received her doctorate in sociology from Kent State University in 1988, is a former university professor. For the past four years as a Chicago-based comedian, she has used humor in discussing such topics as racism, sexism and self-esteem. She is a regular guest writer for the Chicago Tribune, addressing such topics as racism, color discrimination within the black community, and Hollywood's depiction of violence against women.

In This Issue

Short-term memory: School of Medicine researchers find silent replay improves temporary recall

Vision for the future: Ophthalmologist Jay S. Pepose believes the excimer laser holds great promise

The Bard's psyche: Renowned actor to present Shakespeare's life through one-man show at Edison Theatre

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Medical Update

Making a mental note to remember

W hen your boss gives you five minutes to present your project, how do you keep the instructions fresh in your mind? If you call direc
tory assistance for a telephone number, but don’t have a pen to write it down, what do you do? How do you remember the number until you can dial it?

To retain the boss’ instructions or the telephone number, you probably would either repeat them to yourself several times or visualize them in your mind. This is relying on what is known as “scratch-pad memory,” short-term memory that pro
duces temporary recall of information.

Recently, researchers at the Washington University School of Medicine in St. Louis and the National Institute on Drug Abuse (NIDA) have found that scratch-pad memory works best when people silently repeat the information instead of trying to visualize what the words or numbers look like.

They recruited 50 participants and divided them into two groups. One group was asked to repeat aloud the words or numbers, while the other group was asked to repeat them in their mind. Both groups were asked to remember words or numbers.

The memory-fixation task activated a frontal cortical area; poor performers showed increased activity in the left premotor cortex. Previous PET studies have shown that the left premotor cortex contribute to reading disabilities, he says.

Kornfeld receives first E. Donnall Thomas Prize

Stuart Kornfeld, M.D., professor of medicine and of biochemistry and molecular biophysics at the School of Medicine, has been named the first recipi
tent of the E. Donnall Thomas Prize by the American Society of Hematology. The newly created award honors outstanding contribu
tions to the field of hematology.

Kornfeld is an expert in the biochemistry of carbohydrate metabolism and has made significant contributions to a better understanding of how sugar chains attached to proteins act as signals to direct protein trafficking, the fundamental process that cells use to route proteins to their correct destinations within the cell. His early research uncovered the structures of many sugar chains and the steps involved in forming sugar chains linked to the amino acid asparagine. Kornfeld continued his work in collaboration with his wife, Rosalind Kornfeld, Ph.D., professor of medicine and of biochemistry and molecu
r biological. The two received MERIT status from the National Institute of Health in 1990, which awarded them unrestricted financial support for five years to continue work on the biochemistry of glycoproteins.

Kornfeld was first to discover how lysosomal enzymes are routed to lysosomes, where they perform their function in the cell. He later studied the role of complexes of membrane proteins in the transport of carbohydrates to the lysosomes. Kornfeld received his medical degree from Harvard Medical School in 1962, and his Ph.D. in biochemistry from the University of Pennsylvania.

Kornfeld's work has focused on understanding how sugars are attached to proteins and the role of the sugars in regulating the activity of the enzymes. His research has contributed to our understanding of how sugars play a role in the function of cells and how they are transported to different parts of the cell.

Perez honored for oncology research

Carlos A. Perez, M.D., director of the Radiation Oncology Center at Washington University's Mallinckrodt Institute of Radiology, has received the 1998 Society of Therapeutic Radiologists' (ASTRO) Major Award for research, the largest society of radiation oncologists in the world.

ASTRO, the largest society of radiation oncologists in the world, has given the award since 1997 to recognize outstand
ing contributions to the field of radiation oncology. At 58, Perez is one of the youngest to receive the award.

Perez, professor of radiology, is well

known for his work in radiation oncology. For the past 30 years, he has studied a wide variety of cancers, including pros
cinic neoplasms, gynecologic cancers and cancers of the head and neck. Breast irradiation is a focus. Dr. Perez joined the School of Medicine faculty in 1964 as an in
terim and became a professor in 1972. In addition to directing Mallinckrodt Institute's Radiation Oncology Center, he also directs the medical school's radiation oncology division. He serves as radiation oncologist-in-chief at Barnes Hospital and holds affiliations with four other St. Louis-area hospitals.

Perez has been honored for his contributions to his field and his work at the University of California, Los Angeles, where he was a professor of radiation oncology, and for his work at Washington University, where he has been a professor of radiology since 1992. He also directs the medical school's radiation oncology division.

Perez has published more than 230 scientific journal articles and has contrib
uted to 43 textbooks. He was president of ASTRO in 1982 and is a former councilor to the American College of Radiology.

Volunteers needed for diabetes studies

R esearchers at the School of Medicine are seeking volunteers for several studies involving new treatments for diabetes.

One group needs participants with type 2 diabetes. Participants would take medication Miglitol, a drug that interferes with rapid absorption of carbohydrates and may prevent the rise in glucose levels that occurs after eating.

Participants may receive free medical exams and tests as well as free glucometers for home use and sugar in
duced to the American College of Radiology.

Perez has received numerous awards and honors for his work, including the 1997 Award for Research given by the American Society of Therapeutic Radiologists and the 1998 Major Award for research as well as the 1998 Major Award for research. He has also served on numerous editorial and advisory boards.
perfect vision," he says. The mask, he explains, would be combined with computerized corneal mapping technology and the use of small masks for the eye, could allow clinicians to accurately focus light onto the retina of the eye. This kind of scientific testing is what Pepose likes most. "One thing that concerns me is that many of these vaccines work by reviving the immune system. So far there is no tested herpes virus vaccine that actually prevents a person from acquiring the virus. In other words, the vaccines do not eliminate the amount of disease you will get when the herpes virus reactivates. The problem is the eye that you rev up the immune system, you might activate some of the natural protective mechanisms of the eye. Even if you limit productive herpes infections as a result of vaccination, this could result in attracting more T-cells and macrophages to the cornea and cause worse scarring in the cornea than the virus itself might cause," he says.

Pepose says many drug companies in designing herpes virus vaccines have not adequately considered the potential impact of vaccines on herpes in the eye. Instead, the vaccines were geared to the control of genital herpes. The key to any safe herpes simplex vaccine, he says, is to find a way to increase the immune response in the cornea without overriding the natural defense mechanisms of the eye. Pepose says the news about the herpes virus is not all bad. He believes it might someday play a more important therapeutic role in the eye. Working with David Leib, Ph.D., assistant professor of ophthalmology and molecular microbiology, Pepose is investigating the use of mutated non-replicative herpes viruses as vehicles for the delivery of gene therapy in the eye and retina.

Herpes, which tends to settle in nerve cells, can establish latency and might live for long periods without ever reactivating. Pepose and Leib are attempting to engineer a virus that would establish latency in nerve cells of the retina but, unlike the live herpes viruses, could not reactivate to cause tissue damage in the eye. Such a virus could perhaps deliver therapeutic genes to cells in the retina of the eye and help patients who suffer from inherited genetic defects such as retinitis pigmentosa, possibly reversing the disease in the process.

"It's a promising area," Pepose says. "It's also a good example of using basic science to try to attack a specific clinical problem. I think that theoretically it may be a viable option, but we still have to translate that to reality and test the hypothesis." That kind of scientific testing is what Pepose likes most. "What happens so frequently in clinical medicine is that we do things the same way over and over ... I like to apply basic science to clinical problems." Pepose says, the eye has evolved other special mechanisms beyond the footsoldiers of the immune system. "One reason why the immune system is different in the eye is that the body still recognizes it. Cells migrate from the eye to the rest of the body, isolated from the immune system. The concept that the eye was "immunologically privileged" assumed that when antigens were introduced in the eye, they were simply not recognized. That traditional way of thinking, says Pepose, was wrong.

The eye has many special factors that downregulate immune responses, but if you introduce an antigen into the eye, the body still recognizes it. Cells migrate from the eye to the regional lymph nodes and the spleen to begin a local and systemic immune response. It's just that in the specialized environment of the eye there are a number of mechanisms that limit the response of effector immune cells," Pepose explains.

As both a clinician who specializes in treatment of corneal problems and a bench scientist who has studied virology and immunology, Pepose is well suited for what has become a major focus of his lab work — herpes research. "We know that the scarring of the corneas is caused by the body's immune response to the herpes virus. Now we'd like to define what chemical and molecular triggers attract the immune cells to the eye and contribute to the scarring. We need to learn what we can do to block and modulate that immune response," he says. It was thought for many years that the eye was different from any other tissue. In the operating room, he most frequently performs cataract surgery! The eye is different, and the more I get involved in different things, the more I like it. He's no longer treating turtles, but Pepose still removes cataracts, usually in patients with other complications. "I may perform cataract surgery on a patient who has only one eye, or I might do it in conjunction with a corneal transplant," he says. "I'll do a straightforward cataract operation, but if you look at the operating schedule, it's unusual to have an uncomplicated case referred here," Pepose explains.

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Edison play about—and for adolescents

"Mur Mur?" a powerful and physical play about—and for adolescents, will be presented at 2 p.m. Feb. 14 in Edison Theatre.

"Mur Mur?" is part of Edison's "ovation!" for young people! series. This series is designed to introduce young people to the excitement of live theatre. This event is unusual for the "ovation!" series, for which Broadway veteran Managing Director Evy Warashishi. "The other events in the series are geared for ages 6 and up. With "Mur Mur?" we purposely are targeting teens and pre-teens. This is a very relevant, very moving up, performed by one of Canada's premier children's theatre companies.

Dynamo Theatre, a Montreal-based troupe that tours the United States, Europe and Canada, will perform the play. The 10-year-old company has created and performed eight original productions.

The performance is presented almost without words through body language and gymnastics. It tells the story of two young boys, an older brother and a younger brother of one of the four, act out schoolyard games around a large silent wall. The wall ("mur" in French, hence the title "Mur Mur") stands as a silent witness and a real participant in their noisy games, fickle friendships, fracturing and disappointments. The characters use the wall to announce who they love, to hide from each other and to show off their physical prowess.

The three boys and two girls slide between bricks, balance breathtakingly on the wall's edge, and leap gracefully through the various games of tag and keep-away. They also play emotional games, gauging the line between safe and more immediately recognizable—they attach, separate, wound and punish, trying to find the right balance of love and the wrong moment.

Little Bricket, the one with the stupid heart, goofy expression and obnoxious white, spends much of the play trying to be included in the older kids' games. In the end, he gets his revenge in a game of pretend.

The (Albany) Times Union wrote of the performance, "The Lunatic, the Lover & the Poet" achieves a theatricality, principally W in theoric, that many American productions, in- directed by Gielgud. It was a hit, and he achieved a theatricality, principally in the play's poetic language. The show was a hit, and it became an immediate box office success. He was awarded the New York Drama Desk Award as Best Actor and Outer Critics Circle and Tony Award nominations. This performance of "The Lunatic, the Lover & the Poet" is part of Edison Theatre's "OVATION!" series. Tickets are $15 in advance, $20 at the door. Student tickets are $7 for seniors and Washington University faculty and staff, and $10 for students. For more information, call 935-6543.

Men's Basketball

Last Week: Emory 78, Washington 71; NYU 63, Washington 78

This Week: Carnegie Mellon University, 8 p.m. (EST) Friday, Feb. 5, Pittsburgh, Pa.; University of Chicago, 3 p.m. Sunday, Feb. 7, Chicago, Ill.

Current Record: 9-9, 4-3 in UAA

Last week the Bears dropped a pair of league games this past weekend and fell behind the nationally ranked Violins in the South region. The Bears are currently ranked first in the Central region.

On Sunday, only graduate student Carolyn Royce, Clayton, Mo., had the hot hand as she scored 17 points and 10 rebounds. This nine-game winning streak in UAA play Royce talked about the "double double" she had against the Violins, which are ranked first in the East region.

Women's Swimming/Diving

Last Week: Women's 3rd of 9 teams at Washington University Invitational; Men's 3rd of 9 teams at Washington University Invitational

This Week: University Athletic Association Championships, Wed.-Sat., Feb. 10-13, Millstone Pool

Current Record: Men: 8-2; Women: 8-1

The men's and women's swimming team surged to a second-place finish during the women placed third at last weekend's highly competitive Washington University Invitational. The men's team included Division I St. Louis University and Division II Missouri-St. Louis, Missouri-Rolla, and the University of Indianapolis.

The team's effort was led by freshman Robert Powers, Shreveport, La.; senior Omar Ahmad, Manchester, Mo.; senior Patrick Williams, St. Louis, Missouri-Rolla, and the University of Indianapolis.

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School of Fine Arts alumna Jacqueline Power (right) and Bixby Gallery Director Libby Reuter sort through entries to the Fifteenth Annual High School Art Competition. Power, adjunct professor of art at Fontbonne College, was the judge for this show, which will include work by more than 100 area high school students. The exhibit will run from Feb. 7 to 21 in Bixby Gallery, Bixby Hall.
Engle named track and field coach

Troy Engle, formerly the associate head coach of men's and women's track and field at Swarthmore College, has been named head coach of men's and women's track and field and director of the institution's sports information department since July 1991.

Engle also served as sports and recreation officer for the Maines Province in Papua, New Guinea, track and field coach of Papua's National Sports Institute and lecturer of physical education at the University of Papua, Papua-New Guinea-Golera Teachers' College. Engle's first teaching job was at Amherst (Mass.) College, his alma mater, where he worked as an assistant coach of men and women's track and field.

Engle received his bachelor's degree in economics from Amherst in 1986. He received his master's degree in management in 1985 from the University of Massachusetts in Amherst. He also has a second consecutive NCAA Division III championship and third title in four years. The Beavers were the first undefeated national titleholder in Division III history.

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Speaking of

Engin D. Aksar, Ph.D., associate professor of philosophy, gave an invited talk on "Religion and Nationhood in Lebanon" at Yale University. He also participated in a workshop on "The Systems of Empires and Social Science Models" at Harvard University.

Kruskowski, Ph.D., professor of Germanic languages and literature, presented two papers at the Modern Language Association's annual convention, which was held in New York. His papers were titled "The female of the Lebode Tonte: Goethe's "Mittler" (Women as the Living Dead: Goethe's Mittler) and "Homophil and Nephomphil: Jung-Stilling's Patriarchalische Ichtye" (Homosocial and Nephomsexual: Joyce's Portrait of the Artist). While conducting research and writing in Augustberg, England, with Tessa Field School, Williams, Ph.D., professor of Germanic languages and literatures, delivered lectures on magic, witchcraft and the

Fun means funds at Olin auction

One-tasting parties with manufacturing management professor Dean Koopman, a golf outing with MBA student adviser Jim Sidwell and a night at the symphony with Dean Robert L. Virgil and his wife, Gerry, — these are just a few of the items auctioned Jan. 22 by the business department of the "seminars" to both groups at $700 each.

Among Koopman's survivors are his wife, Nellie E. Koopman, of Brentwood; and Mary Koopman Hinsdale, Ill., and a granddaughter, Laura.

Input sought for improving student's first year

To assess how Washington University can enhance the experiences of first-year students, the Task Force on Undergraduate Education will sponsor a forum from 4 to 6 p.m. Monday, Feb. 8, in Simon Hall's May Auditorium.

Dean Benjamin Tritle at 935-1210. The task force will ask some faculty and students to summarize their proposals during the forum. Other individuals with questions or brief statements also may speak at the event.
Hilltop Campus
The following is a list of positions available on the Hilltop Campus. Information regarding these and other positions may be obtained in the Office of the Human Resources. For more information, call 935-5990.

Contract and Grant Coordinator
390353. School of Social Work. Requirements: Bachelor's degree with accounting background, strong communication and interpersonal skills; experience in funded research and administration and working with federal governmental agencies and foundations; PC word processing and spreadsheet skills; ability to organize and work on deadline; typing 40 wpm with accuracy. Clinical tests and three letters of recommendation required.

Researcher
390110. Development Services. Requirements: Bachelor's degree, liberal arts background preferred; research and writing skills; typing 35 wpm with accuracy. Application, resume and three letters of recommendation required.

Department Secretary
390120. Alumni and Development. Requirements: Specialized secretarial and business training; minimum of two years office experience, reflecting excellent word processing; typing 60 wpm with accuracy; and organizational skills. Individual should have a strong command of the English language and should have the ability to handle multiple priorities with minimal supervision. Over-time, including nights, weekends, etc., essential. Ability to relate to people and to do clerical and filing. Grooming. Clinical tests and three letters of recommendation required.

Administrative Secretary
390124. Office of Public Affairs. Requirements: High school graduate/equivalent, prefer two years general office experience; typing 50 wpm with accuracy; must be capable of smooth organized, people-oriented, self-motivated and possess a can-do attitude. Clerical tests and three letters of recommendation required.

Administrative Assistant
390125. Chemical Engineering. Requirements: High school graduate, some college preferred; typing 50 wpm with accuracy; must be capable of smooth organized, people-oriented, self-motivated and possess a can-do attitude. Clerical tests and three letters of recommendation required.

Administrative Coordinator, CRO Program
390295. Research Office. Requirements: Two years of college, bachelor's degree preferred. Support the associate vice chancellor for research and the director of the medical school's corporate research opportunities program by assembling scientific and marketing information, drafting correspondence, managing special project development and implementation, maintaining data base searching and data base management skills. Must be capable of smooth written and verbal interaction with medical school faculty, Research Office technology transfer (patents), and outside organizations and have an ability to exercise judgment and work with minimal supervision; typing 25 wpm with accuracy. Application, resume and three letters of recommendation required.

Stockroom Manager
390144. Biological Sciences. Requirements: Ability to use FIS programs; previous stockroom/receiving experience highly desirable; willingness to handle hazardous chemicals and radioactive materials; ability to do heavy lifting and move heavy objects; ability to exercise judgment and work with minimal supervision; typing 25 wpm with accuracy. Application, resume and three letters of recommendation required.

Senior Technician
390445. Biology. Requirements: Bachelor's degree; safe handling of biobehazardous waste; database: glassware pickup and processing; housekeeping; media preparation; run errands for depart-ment. Application and three letters of recommendation required.

Financial Analyst
390148. Biological Sciences. Requirements: Bachelor's degree in preparation and analyzing data. Assistant to prepare and analyzing appropriate year-end analysis, do special research projects within the accounting and budgetary area; compile the appropriate data, prepare reports and analyses; prepare reports on contingency budgets, tuition allocation, other expenses and salary; assist departmental staff with budgeting and accounting questions; process departmental budget adjustments and review check requests; demonstrate working knowledge of Arts and Sciences procedures and policies; provide assistance to the director in the proper implementation of school procedures. Resume and three letters of recommendation required.

Director, Sponsored Projects Services
Research Office. Requirements: Bachelor's degree; experience in principles of management; of grants and contract administration, contract and grant writing; ability to effectively manage grants and contract reviews; ability to work in a group environment. Resume and three letters of recommendation required.

Research
390141. Development Services. Requirements: Bachelor's degree, liberal arts background preferred; strong research and writing skills. Must be capable of smooth written and verbal interaction with medical school faculty; typing 40 wpm with accuracy. Application, resume and three letters of recommendation required.

Project Manager
390145. Engineering. Requirements: Bachelor's degree in engineering/construction/architecture; minimum of three years experience in project management expertise in design and construction; ability to read and interpret plans and specifications; ability to work in a group environment; ability to control time and costs; must be productive, self-motivated, responsible, and individual; must have good communication and negotiation skills to possess a good working knowledge of the business environment; possess the ability to adequately represent the quality of the work being performed; ability to make judgments on acceptability, proper means and methods of design and construction. Resume and three letters of recommendation required.

Medical Campus
The following is a partial list of positions available at the School of Medicine. Employees who are interested in submitting a transfer request should contact the Human Resources Department; 562-2902 to request an application. External candidates may call 562-3755 for information regarding open opportunities or may submit a resume to the Human Resources Office. Applications: Box 8002, St. Louis, Mo. 63110. Please note that the medical school does not distribute information for vacancies, and the office strongly discourages inquiries regarding positions other than Human Resources.

Driver/Vehicle Operator I, Part-time
390188. Schedule: 20 hours a week, 2 days p.m., also fill in for vacations and sick days.

Requirements: High school graduate/equivalent, valid driving license. Prefer individual with school bus and/or other professional driving experience.

Medical Technologist I, Part-time
390480. Schedule: Available position is 16 hours a week, Saturday and Sunday evenings with some holidays and weekdays. Requirements: Bachelor's degree, five years experience in hematology; prefer MT(ASCP) equivalent accreditation. Performance: hematology, coagulation and urinalysis tests.

Systems Operator, Part-time
390455. Biological Sciences. Schedule: 20 hours a week, negotiable. Requirements: Four years college, bachelor's degree in computer science or related field preferred, willing to work for two years hands-on experience. Should have good communications skills and the ability to instruct non-technical individuals; operations experience preferred, BSD, UNIX, NUNS, etc.

Clinical Therapists III
390166. Intensive Medicine. Requirements: High school graduate/equivalent, prefer two years experience. Supports administration. Experience in the medical field would be helpful; prefer individual with medical knowledge; Ph.D., preference; philosophy experience, highly desired.

Statistical Data Analyst
390145. Biostatistics. Requirements: Bachelor's degree, prefer master's degree in biostatistics, four years hands-on experience; must have experience with statistical software such as SAS; prefer experience in biostatistics, biomedicai and/or clinical studies.

Medical Secretary II
390155. Barnard Cancer Center. Requirements: Bachelor's degree, 2-4 years of experience, some college preferred; typing 60 wpm with knowledge of medical terminology; ability to maintain accurate and orderly record; must be able to work in a group environment.

Medical Technologist I
390528. Pediatrics. Requirements: Bachelor's degree with lab experience preferred, CMA, equivalent accreditation. Prefer experience in biostatistics, cell culture and cell culture with interest in veterinary medicine. Some knowledge of medical terminology and record keeping skills and have the ability to work in a group environment.

Library Associate, Part-time
390351. Medical Library. Schedule: Some Saturday, Sunday and weekday evenings. Requirements: Bachelor's degree, prefer librarian, some college preferred; typing 60 wpm, knowledge of medical terminology. Must be familiar with word processing, preferably WordPerfect.

Medical Transcriptionist
390354. Neurology. Requirements: High school graduate/equivalent, one to two years experience in a medical setting; course work in secretarial and medical terminology. Must be familiar with word processing, preferably WordPerfect.