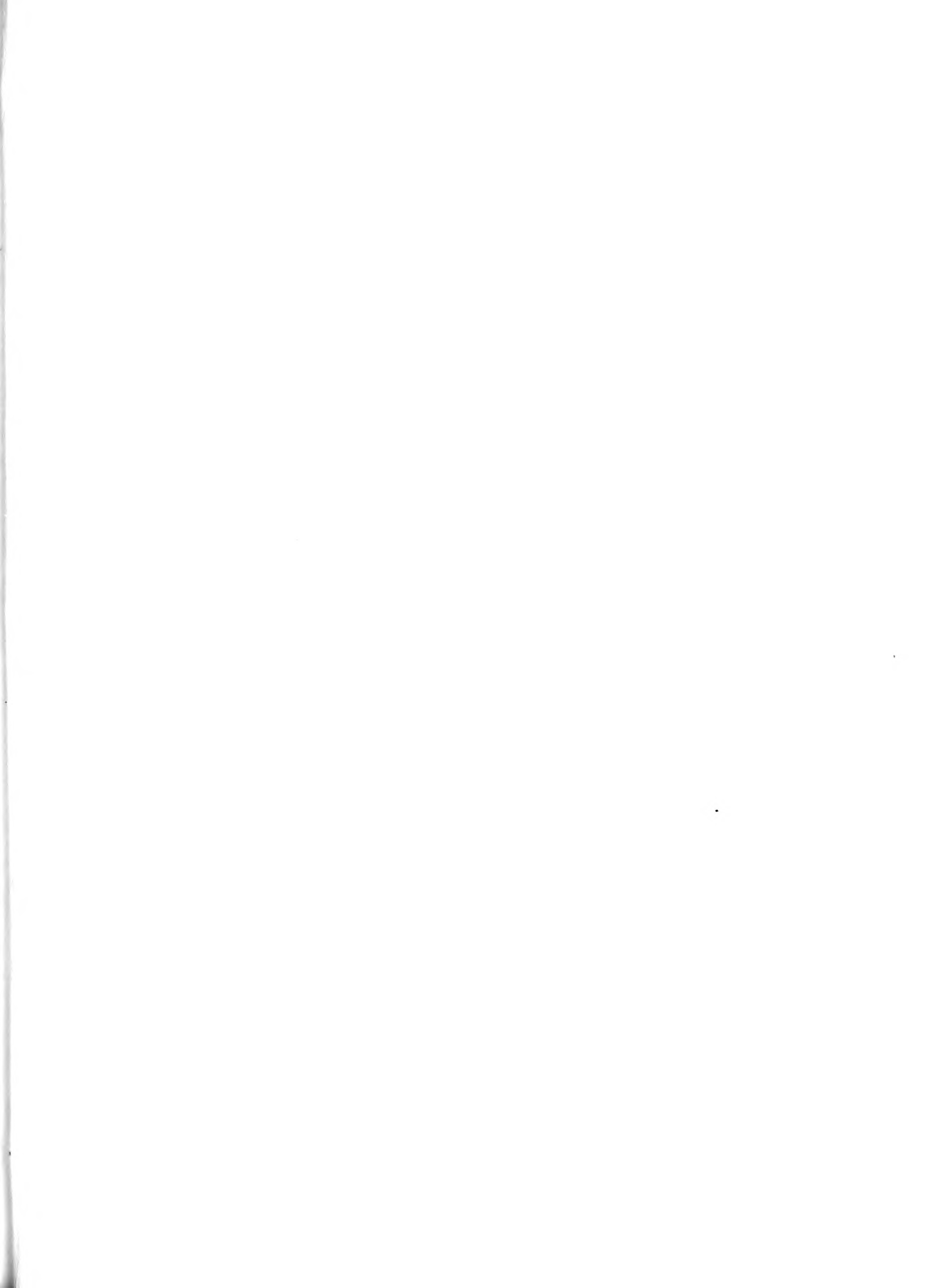




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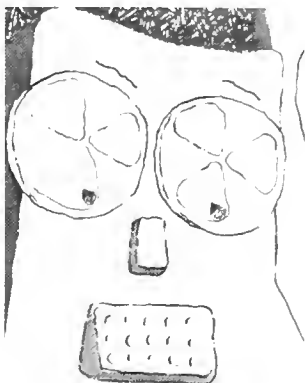
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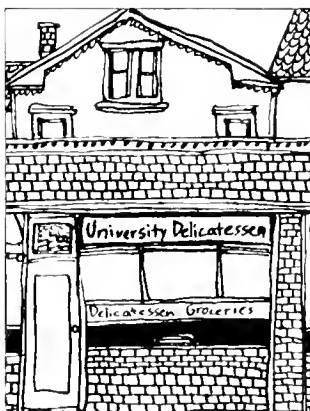
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For better or for worse, late twentieth-century man is wedded to computers and this marriage is, to many, mysterious and frightening. How can we learn to understand, and live with, these modern mates?

21 Thayer Street

Whatever happened to the street where once "the boys from Brown came to meet the girls from Pembroke at the Hungry Sheik"?

26 One Hundred Years of Brown Football

It's all here — the first annual Rose Bowl Game, the development of the forward pass, the undefeated Iron Men, the great coaches, the magic, and the memories.

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On the cover, the BAM's first four-color venture in ten years, a poster from the Brown Archives announces the first Rose Bowl game, sixty-three years ago.

Carrying the Mail

The curriculum debate

Editor: Reading my way, enjoyably, through [July-August] "Carrying the Mail" (as is my wont each month) I noted yet another misguided appraisal of Nixon — ignoring the all-important fact that this was a near miss at taking over the U.S. government à la Hitler's subversion of the Weimar Republic; I found amusing a more or less fundamentalist defense of born-again Nixon aide Charles Colson, and, after a splendid anecdotal tribute to the late Henry Wriston, a letter on the curriculum debate by Dr. John V. Russo '59.

His statement that "there is still a place for mature guidance toward an education of breadth as well as depth" brought back "memories" of a young Cornell U. engineer who died in World War I — and is buried in France — but not before he had "invested" in three very important things, to him, and to me. A young school teacher, later a teacher at Columbia and the U. of Pittsburgh, became his wife. I became his son, July 1918. And although his resources, financially speaking, were limited, he bought and began to read chapter by chapter the then-current edition of the *Encyclopedia Britannica* — underlining articles of the widest divergence.

A pilot, he died before he had a chance to return to finish his self-assigned project.

But, although as the top scholarship contender for the state-related university in New York — I'm sure he could spell (sic) "engineer" before becoming one — he told mother he felt "uneducated" — somehow inadequate in the company of her friends. She

Letters to the editor are welcome. They should be on subjects of interest to readers of this magazine, with emphasis on an exchange of views and discussion of ideas. All points of view are welcome, but for reasons of space, variety, and timeliness, the staff may not publish all letters it receives and may use excerpts from others.

never admitted to having agreed, but she did often score our professional friends for a lack of knowledge outside their specialties.

Bravo to Dr. Russo. May his professional tribe increase.

WINTHROP (WIN) FANNING '41
Pittsburgh, Pa.

The writer is a columnist for the Pittsburgh Post-Gazette. — Editor

The Lamphere settlement

Editor: The day after I read the letters by Carey, Cserr, and Russian and others on the Lamphere consent decree in the May/June issue of BAM, Alexander Solzhenitsyn gave a speech at Harvard decrying (among other things) the substitution of narrow legalism for morality in the Western world. The Lamphere case and most of the surrounding debate seems a good case in point. While the legal matters have little choice but to be legalisms, surely at a university — supposedly a home of reason that should set a standard for the rest of society — discussion could be a bit broader. That a case such as this could arise is certainly proof that Brown hasn't lived up to that standard, that the debate has been so narrow indicates it'll be a long time before it does.

Let me be content with one example, and it should not be inferred from the fact that it is directed against one side that my opinion of the other is much higher. Surely one of the minimum standards of reasonable debate is honesty about factual matters. The most obvious things to try to check in this regard are the innuendoes of the plaintiffs

named above about Professor Leis, but as an outsider I am unable to do so. However the plaintiffs' credibility is not helped by the fact they misrepresent what the consent decree itself says, and coming from them it can hardly be excused as lack of familiarity with the document. Namely, they claim "the decree states that when 'two candidates are of equal qualification' preference shall be given to the woman or minority candidate." What the decree *actually* says is that if "a male candidate is given a position in preference to a woman, the department or division hiring for that position will have the burden of proving . . . by clear and convincing evidence . . . that the male candidate selected . . . is better qualified than any woman candidate for the position" [Sec. 2 (F) (1)], and similar provisions for contract renewal, promotion, and tenure [Sec. 2(F) (2)]. "Clear and convincing evidence," for our edification, is less than "beyond a reasonable doubt" but more than "a preponderance of the credible evidence."

These are quite different statements. The one in the decree is a better statement, except perhaps for the curious asymmetry of "male" — "woman", because it means something: no two candidates are ever "equally" qualified. However, my main point is that the decree is much stronger than the plaintiffs imply. How can one almost prove that a marginally better candidate is better? One can't. The difference has to be wide, and even then there is usually room for a good deal of doubt. The politician's prevarication of which this is such a superb example is quite out of place in a scholarly debate.

In addition one should judge the actual agreement. I for one think it is not good, and I wouldn't think so even if it only said what the plaintiffs claimed. The currently fashionable notion that "in order to treat some persons equally we must treat them differently," as Justice Blackman was so honest as to put it in his Bakke case opinion, is as illogical as "separate but equal." It pains me to feel the need to say this, but from being illogical it follows that it is false. To treat people the same one has to treat them the same. It is true that there may be many things one has to take into consideration to do so, and differences in one (e.g., whether a person has suffered from the effects of group discrimination) may lead to differences in evaluation of another (e.g., his achievements), but this does not call for abandoning logic, nor does it call for reverse group discrimination. Indeed, the

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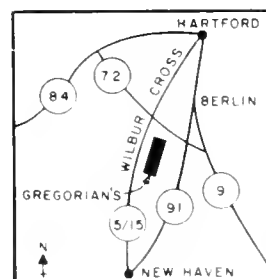
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whole point should be to treat people as individuals, not herds. If an *individual* has been subjected to group discrimination, then indeed it may be appropriate to give him some preference. But it is non-sense to claim that a person's membership in a group which has been discriminated against means that that individual has necessarily been discriminated against. Not even in the case of blacks, where the discrimination has at least until recently been very real and even forcible, would such a presumption be valid. Yet without that presumption the whole case for "reverse" group discrimination (under any euphemism) falls apart.

BARRY HILL-TOUT
Campus

The writer is a graduate student in mathematics. — Editor

Nixon, Walton, Colson

Editor: The comments by D. C. Marshall and J. R. Davis [July August BAM] on Richard Walton's article on Charles Colson cannot be allowed to pass without a reply.

Mr. Marshall pretends that the only evidence that the Nixon administration was racist and repressive was the Watergate bugging and the "bugging" (actually a burglary) of the office of Ellsberg's psychiatrist. As for racism, there is much evidence, such as Nixon's anti-Semitic remarks on the White House tapes and his nomination of

G. Harrold Carswell for the Supreme Court. As for repression, we need only point to the plans for preventive detention (= concentration camps) that were prepared under the direction of Nixon's Attorney General, John Mitchell. The rest of Mr. Marshall's letter contains only the simplistic political rhetoric that led us into the Vietnam war and kept us there, with all its physical, psychological, and economic damage from which we have not yet recovered.

Mr. Davis, on the other hand, seems to feel that Brown is still associated with the Baptist Church and should use the beliefs of the Baptist Church, or what he purports to be its beliefs, as a test for publication of material in the BAM. In fact the charter was amended in 1926 and 1942 to eliminate all denominational connections. In reference to our graduation ceremonies at the Baptist church he hints at a desire that belief in the church's tenets should perhaps be a requirement for graduation. Though I am not a Baptist I was pleased and proud to have been graduated beside Mr. Walton in one of the oldest churches in America. One of the reasons for this was my knowledge of the respect that most religions and religious people in our country hold for the beliefs and views of others. Contrary to such respect is Mr. Davis's condemnation of the BAM for publishing Mr. Walton's article because it has a "critically humanistic slant."

Does he mean that the BAM should be both uncritical and inhuman? To be critical of ideas and beliefs has been the core of Western civilization since the time of Copernicus and Galileo. To be humanistic dates from nearly the same epoch in the teachings of Montaigne, Spinoza, Erasmus, and Sir Thomas More, the last two of whom were deeply religious Christians. In the words of their near contemporary, Milton: "We commonly forejudge ere we understand while thinking thus to defend the Gospel, we are found the persecutors."

GEORGE WALLERSTEIN '51
Seattle, Wash

The writer, a member of the Broken Corporation, is professor of astronomy at the University of Washington. — Editor

'Danger signals'

Editor: In line with my general theory, "if we take care of the little things, the big things will take care of themselves," I note that during the period of my recent attendance at Brown's Continuing College, at which an unusually high degree of glitter, glamour, and class pervaded the atmosphere, there were three items which may or may not provide us with danger signals for the future.

- 1) Nothing on "Chisnobop" at the University Bookstore . . .
- 2) Could not ascertain the school colors

of James Madison University at the John D. Rockefeller, Jr. Library . . .

3) Unable to purchase on Thayer Street a simple sewing kit for use in sewing on a button.

GEORGE F. MOULD '41

Hawley, Pa.

James Madison University's school colors are purple and gold. — Editor

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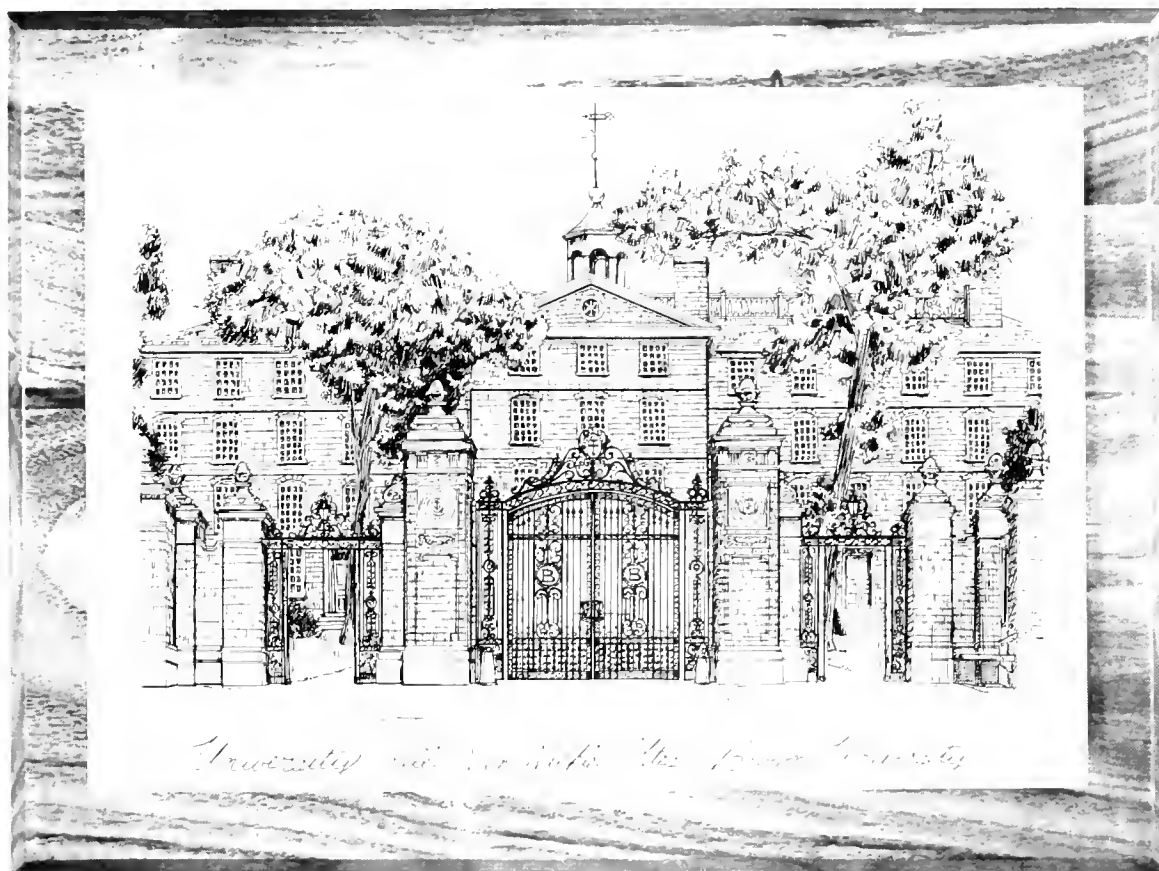
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Under the Elms

Maurice Glicksman named provost

Dean of the faculty and academic affairs Maurice Glicksman has a new title: provost and dean of the faculty. He assumes the post left vacant by Provost Merton Stoltz's retirement last June, as well as continuing to carry out many of his former responsibilities. In his new post, Glicksman will be in charge of non-medical academic budgets and staffing, the University libraries, the Computer Center, the registrar's office, and the Sarah Doyle Women's Center, and he will act for the president when the latter is unavailable.

The University now has four senior academic administrators: Glicksman, Dean of the College Walter Massey, Dean of the Graduate School Ernest Frerichs, and Vice President for Biology and Medicine Pierre Galletti. President Swearer noted that the redistribution of duties among the three nonmedical deans "will enable us to operate efficiently and effectively with one less senior academic dean."

"Maurice Glicksman's understanding of Brown and its commitment to excellence is broad and deep," Mr. Swearer said. "As an active member of the faculty, as an articulate spokesman for higher education, and as an able Dean of the Faculty and Academic Affairs, he has demonstrated strong qualities of leadership in service to the University. He has performed a wide variety of duties with skill and tact."

Glicksman studied engineering physics at Queen's University, Kingston, Ontario, and received both his master's and Ph.D. degrees in physics from the University of Chicago. He came to Brown in 1969 as University Professor of Engineering (under the aegis of "Project Excellence," an endowed program to bring outstanding faculty to the University in four departments), after fifteen years with RCA Research Laboratories.

At Brown, he has served in several



The provost at his desk

top administrative posts: chairman of the Faculty Policy Group, dean of the Graduate School, and acting dean of the faculty and academic affairs (replacing Jacquelyn Mattfeld when she left to be-

come president of Barnard College). Last spring he was elected a fellow of the Institute of Electrical and Electronics Engineers.

J.P.

A former dean returns to College Hill

Charles H. Watts II '47, '53 Ph.D., the former Brown English professor and dean of the College who served as president of Bucknell University for twelve years, has returned to College Hill as director of the Campaign for Brown University. President Swearer announced in August that Watts had assumed responsibility for planning and implementation of the upcoming capital campaign and for operation of Brown's development office. He succeeds Ronald A. Wolk (following story), who resigned in June to head a new corporate division of Editorial Projects for Education, publisher of *The Chronicle of Higher Education*.

"We are most fortunate to have enlisted the services of Charlie Watts for this very important position," Mr. Swearer said in announcing the appointment. "He brings to Brown broad experience in fund-raising and university administration, a deep understanding of private higher education and its sources of support, and an appreciation and knowledge of this University. It would be difficult to imagine a closer fit between the University's needs and his abilities and assets."

The "appreciation and knowledge" of Brown to which Mr. Swearer referred comes from the thirteen-year period between 1949 and 1962 in which Watts served the University first as an instructor and later as a full professor in the English department, and then as dean of the College, to which he was appointed in 1958. In 1962, he was named executive associate and director of the American Council on Education's Commission on Executive Affairs. Two years later, he was named president of Bucknell. He resigned in 1976 and was named president of the Wolf Trap Foundation for the Performing Arts in Vienna, Virginia.

Brown awarded Watts an honorary doctor of laws degree in 1975.

Ron Wolk takes a job in educational publishing

When Ron Wolk arrived at Brown in April 1969 to begin his new job as vice president for development and university relations, he found five students in his secretary's office waiting to see him. By the next day Wolk was in the thick of



Charles Watts (left) succeeds Ron Wolk as head of Brown's capital campaign.

the campus debate concerning the presence of ROTC at Brown and by the end of that week students had disrupted a meeting of the Corporation's Advisory and Executive Committee, refusing to leave the meeting room in University Hall.

Ron Wolk stepped in as mediator. "The first year that I was here was probably the most exciting year that I spent," Wolk said recently. "It began with moratoriums in the fall and ended with Kent State in the spring. We were under siege."

Ronald A. Wolk had come to Brown after serving as special assistant to Milton S. Eisenhower, chairman of the National Commission on the Causes and Prevention of Violence. "It was like studying medicine and then having your first patient," he commented. "I got a lot of ragging about that. But we did get through without so much as a broken window that year."

Now, more than nine years later — years that saw Brown's university relations and development programs win numerous awards, years that saw significant growth in alumni support — Ron Wolk has left Brown.

For many years Wolk has served as chairman of Editorial Projects for Education, the non-profit organization that publishes *The Chronicle of Higher Education*. On September 1 Wolk assumed new duties as head of a new corporate division of EPE, provisionally called Special Projects. Supported by a start-



John Foraste (2)

up grant of \$160,000 from the Exxon Educational Foundation, Wolk plans to spend several months traveling to check the pulse of higher education in America. Then, he said, he's going to sit down with a blank sheet of paper and start listing ideas. "We want to develop more effective ways to communicate in education," Wolk said, "particularly higher education. Today only 41 per cent of Americans think higher education is respectable. We've lost ground in the whole area of public understanding and support. There's an important mission out there for higher education."

After service in the mid-1950s with the editorial branch at Army Intelligence School, Wolk joined the staff of the *Endicott Daily Bulletin* in Endicott, New York. In 1958 he joined Corbin Gwaltney at *The Johns Hopkins Magazine* and served as editor from 1959 to 1963, winning the Robert Sibley Award for the best alumni magazine in the country in 1961. At that time Milton S. Eisenhower was president of Johns Hopkins and in 1963 Wolk became his assistant. In 1967-68 he served as assistant director of the Carnegie Commission on the Future of Higher Education, chaired by Clark Kerr. When Wolk came to Brown in 1969, the job had been open for four years. There was a lot to do.

"I found this place compelling," he reflected. "It immerses you very quickly. The people associated with Brown are what made it." In August 1977 Wolk was named vice president and director of the capital campaign and

he spent the last year preparing for the campaign. What are his thoughts on Brown's future? we asked on the eve of his departure.

"Brown has built a very grand academic structure on a financial knife edge," he said. "The greatest challenge Brown has is to reach its fund-raising potential. Alumni and friends could support Brown at two to three times the present levels with no strain, and it's a life or death challenge as far as I'm concerned. Brown has everything else going for it — a fantastic applicant pool, a very dedicated and high-quality faculty, bright new leadership, an ambience that if you could bottle it and sell it you'd make a fortune. The only area we have yet to make the mark in is in fund-raising.

"There's something very special about this place that makes it very difficult to leave. Someone else once said, 'Whatever I have needed in my life, Brown has been at that time just what I needed.'"

D S

Sex-blind admission: Parity has arrived

Following a surge in the number of female applicants last year, women outnumbered men in the freshman class that entered the College in September for the first time since World War II.

Chosen without regard to applicants' sex, the class of 1982 — comprising 656 men and 728 women — was selected from a record applicant pool of 10,636 on the basis of such factors as rank in class in secondary school, scores on standardized admissions tests, and extracurricular activities.

"The policy of the University is to be 'sex blind' in the selection process," explains James H. Rogers '56, director of admission, who said that on a merit basis the University had offered admission to 1,440 men and 1,383 women. When the high school seniors chose among the colleges that accepted them, 46 percent of the men and 54 percent of the women decided to come to Brown, meaning that although more men were accepted, more women will attend.

The reason for the shift in the sexual balance — the preceding class had 695 men and 613 women — is a 22-percent rise in the number of female applicants, from 3,505 to 4,260. In contrast, the number of male applicants

continued on page 10



The many moods of Freshman Week

Freshman orientation week — as anyone who has ever experienced it knows — can bring moments of apprehension and concern as well as moments of elation. Photographer John Foraste caught Leslie McPherson '82 as she experienced some of those moments: at left and at right, listening to an upperclassman at an English department open house and, below, as she talked with Associate Professor of English Suzanne Woods.



showed a more modest 12-percent increase, from 5,680 to 6,378. The number of female applicants has risen steadily since the Brown and Pembroke admission offices were combined in 1971. The first class selected by the unified offices was 60-percent male.

Once the applications were in, according to Rogers, they were handled the same way as in previous years. This year, of the applications which were completed by the deadline, 24 percent of the men's and 34 percent of the women's were accepted. The higher acceptance rate for women — which usually runs nine to ten percentage points above that for men — reflects their slightly better academic records, according to the admission director, who said that for the applicant pool as a whole, women's rank in class in secondary school averaged at the 89.2 percentile, while the men trailed behind at 85.7.

The class of 1982 will also show a higher minority enrollment, with 104 blacks entering this fall as opposed to eighty-six last year, sixty-one Asian-Americans compared with thirty-four in 1977, and thirty-nine Hispanics, up from twenty-eight last year.

What do the statistics mean for the character of the class of 1982? Primarily, they show a highly qualified group of students. "This class has survived the most rigorous admission competition in the University's 214-year history," says Rogers, who counts the 16-percent rise in applications as a reaffirmation of the quality of the education offered at Brown.

Precisely why the increase occurred this year, at a time when demographic factors are reducing the national pool, is less clear. But the preponderance of women follows a national trend, which saw 526,000 women register for college board exams last year, compared to only 502,000 men.

The academic distribution of the class is very similar to the one which preceded it, with the same numbers showing interest in fields such as physics, chemistry, English, and art. The balance between students from public schools and prep schools is also the same, with most of the prep schools having also gone coed.

The undergraduate student body of 5,150 is still 54 percent male, and the graduate school is overwhelmingly male. Still, this development puts Brown far ahead of the other Ivy League schools which, except for Cornell's in-

tionally balanced College of Arts and Sciences, are predominantly male. "Our competition may not be evaluating applications on a 'sex blind' basis," Rogers suggests.

Although it was the outcome of an obvious trend, the shift caught many by surprise, including the admission director himself, who noted that when his class entered the University in 1952, there were approximately 635 men coming to Brown and 200 women arriving at Pembroke. "I was not aware until the letters were just about in the mail that we had accepted only sixty more men than women," he says.

President Swearer also had a comment on the shift: "At the time of the merger of Brown and Pembroke in 1971, the ratio of men to women students was approximately three to one. One of the stated goals of the merger was to increase the number of women over a period of time to a ratio of one to one. Seven years later that stated intention has been achieved and not by 'special' means but by a natural process of 'sex-blind' admission policies and procedures. . . . This record of the last seven years is a source of pride and satisfaction. Now that parity in the number of men and women students has been reached, we expect that the ratio of men and women will remain balanced in the years ahead."

Matthew Wald '76

'He brought spirit and panache to alumni relations'

When Jon Keates '66 was named director of alumni relations at Brown in 1973, he was — at twenty-nine — the youngest alumni director in the Ivy League, and one of the youngest in the country. "I can report that I've aged considerably in five years," he says half-jokingly. Certainly the alumni relations program at Brown has come a long way in those five years; for Keates, who left Brown October 1 to become alumni director at George Washington University, it is a legacy to feel proud of.

"Jon took over the directorship of the alumni program at the most critical time in its history," Robert A. Reichley, vice president for University relations, points out. "That was following the reorganization of all alumni and alumnae programs after the Edwards committee [the Corporation Committee on



Jon Keates: A sense of irony and fun."

Alumni-Alumnae Relations] report in 1972." Since that report was issued, the merged alumni and alumnae organizations, and the alumni/ae records offices, were brought together under one roof, along with the development office. The result was a streamlined, and truly unified, alumni relations program.

Under Keates's directorship, the alumni office has achieved national recognition for its wide-ranging and innovative programs — such as the Student-Alumni Relations program, directed by Ann Redding '72, which has served as a model for similar efforts across the country; the Brown Street Series for local alumni, under the guidance of Connie Evrard; and special programs for minority alumni, just to name a few. As Keates puts it, "We've built a series of new bridges to facilitate involvement of alumni in University affairs."

Not only do the statistics bear him out — alumni involvement in both new and old programs (such as reunions) has doubled and even tripled in the last five years — but the office has won an impressive number of major awards from the Council for the Advancement and Support of Education (CASE), including an Exceptional Achievement Award for alumni programs in 1976 and last year's Grand Award for the overall alumni program.

Jon Keates came back to Brown from Duke University, where he had been working toward a Ph.D. in English literature under a Harvey A. Baker Fel-

Sports

Athletic Hall of Fame to induct sixteen

The Brown Athletic Hall of Fame will welcome sixteen additional members this fall at the annual Induction Banquet. The dinner will be held on Friday, November 10, the night before the Homecoming football game with Dartmouth. The list:

Basketball: **Arnold L. Berman** '72, Brown's all-time scoring leader with 1,668 career points.

Football: **Joseph R. Randall** '67, outstanding punter who was elected to the All-Ivy team of the decade.

Baseball: **Steven J. Kadison** '66, who as a sophomore posted a .392 batting average, second highest in the Ivy League.

Hockey: **Leon C. Bryant** '65, a three-time first-team All-Ivy selection who ended his career as Brown's fourth highest scorer with 130 career points; and **Terry W. Chapman** '65, a two-time All-Ivy choice who was Brown's fifth leading career scorer with 127 points.

Track: **Edward C. Sullivan, Jr.** '58, a three-time Heptagonal champion and a New England cross country champion.

Golf: **Charles B. Round** '38, captain of the Brown golf team and the only Rhode Islander to win all three state titles: junior, amateur, and senior.

Swimming: **Edwin J. Nicholson** '60, Bruin captain who was a three-time New England and an Eastern champion in the sprints.

Soccer: **Benjamin O. Brewster** '69, a first-team All-American forward who set a Brown career scoring record with 50 points.

Lacrosse: **Robert W. Anthony** '70, a first-team All-American who became Brown's second leading scorer with 145 career points.

Sailing: **Thomas E. Hazlehurst** '56, winner of Rhode Island, Eastern, and National sailing titles and runner-up in the Finn class in trials for the 1956 Olympics.

Tennis: **Raymond H. Chace** '34, one of the University's leading tennis players who remains active in Father & Son competition.

Old Timers: **Clair Purdy** '19, quarterback on Brown's 8-1 team in 1916 and Coach Edward North Robinson's choice

as his all-time Bear quarterback; and **Ralph Knight** '21, one of the University's outstanding pitchers who had a lengthy professional baseball career.

Specials: **C. Thomas Butler** '55, who started the first intercollegiate Bobsled Club in the country at Brown in 1954 and was a champion in the four-man bobsled at the 1959 championships in St. Moritz, Switzerland; and **David J. Zucconi** '55, father of rugby at Brown and for many years and in myriad ways an active supporter of athletics at Brown.

Tickets for the Hall of Fame Induction Banquet are \$10 and may be purchased by writing to ticket chairman Lou Regine '48 at 110 Olney Ave., North Providence, R.I. 02911. Tables of eight may be purchased at no extra cost.

J.B.

Sports in brief . . .

□ Jim Fullerton, who coached hockey at Brown from 1956 through 1970, is author of a new book: *Ice Hockey: An Introduction to Playing and Coaching*. Since retiring from Brown, Fullerton has been a scout for the New York Islanders and the Chicago Black Hawks and has run summer hockey camps in Rhode Island and Connecticut. His book is a well-organized and clearly written introduction to the game. Hastings House is the publisher and the price is \$9.95. Copies are available through the Brown Bookstore, Box 1878.

□ Bill Cullen, a nationally ranked squash and tennis player and one of the nation's most successful tennis coaches, joined the Brown athletic staff this fall as head racquets coach and assistant to the athletic director. He will also act as liaison between the athletic department and the academic deans.

The forty-three-year-old Cullen spent the last eight years at Swarthmore, where his tennis teams were 98-25. His 1977 netmen captured the NCAA Division III national title. He began his coaching career at West Point, guiding his six tennis teams there to an overall mark of 69-25. His squash teams at the Point were 60-23 and took the national championship in 1965.

Athletic Director Bob Seiple is enthusiastic about the addition of Cullen. "Bringing Bill to Brown is the biggest thing to happen to Rhode Island tennis since the Newport Casino was built," he says.

lowship for graduate study. (He's still ABD — all but dissertation completed toward his Ph.D.) At Duke, he worked for several years in the admission office, which, he says, gave him a taste for academic administration. And when he returned to Brown in 1972, it was as an admission officer. Nine months later, he was named director of alumni relations. But he's also been able to put his literary talents to good use, teaching one or two courses a year in the English department, such as a seminar on English Gothicism and one on sexuality in Thomas Hardy's novels.

Keates confesses that he feels "separation pangs" at leaving his alma mater, both personally and professionally. "One of the real pleasures of this job has been working with alumni volunteers and the Associated Alumni. I'm struck by the selflessness of Brown alumni," he says. For those who work with him, the pleasure has been mutual. "He brings a certain kind of spirit and panache to alumni relations that's important," Ann Redding says. "He has a sense of irony and fun that keeps us loose; he's able to combine style with a nose for all the little details, the hard work."

Appropriately enough, Jon Keates's last act as director of alumni relations was to attend this year's alumni council, which ran through October 1, and which will produce a retrospective and prospective self-study on alumni programs at Brown — six years after the Edwards Report. "This new report will serve as a benchmark for my successor," Keates says, "to chart the progress that we've made over the past five years." J.P.

Knight errant

Overheard while waiting for a symposium on the Middle Ages to begin:

"Last term I wrote a paper on courtly love," a young man said.

"Oh," said his companion (female), "so you know all about this stuff."

"Well," he said, "actually, my professor believed that it didn't exist."

"Did that bother you?"

"Well, no," knight errant replied. "I'm the romantic type. I feel if it didn't exist, it should have."

'An extremely fast moron' that is changing our society

By Elise Hancock

"We are already a computer society, for better or worse," said Andries van Dam, professor of computer sciences and applied mathematics, perched cross-legged on the table. "Nothing runs without them."

I think so, too, which is why I had enrolled in van Dam's five-day computer workshop at Brown's Continuing College last summer. For to understand the world in which I live, I must now know something about computers: what they can do, what they cannot do, how they do it, and whether my many vague fears about them are justified. For I do fear them. I worry about privacy, impersonality, our growing dependence on machines, and other subtler dangers. Yet I also know that at Chicago's O'Hare Airport, a plane lands or takes off *every twenty-five seconds*: How could that flow be controlled without computers? Would I want to eliminate computer monitoring of patients in intensive care? What are the implications of a computing society? Does the promise outweigh the problems?

Van Dam clearly thinks so. In a sense, he is an evangelist — but don't imagine him in a frock coat. He likes to wear T-shirts, preferably with messages about FORTRAN on them, and he is utterly twentieth-century. He's rather like a missile, in fact: very compact, very directed. He had decided long before the workshop what information he was going to give us, in which order and why, and although he was open to questions no one succeeded in altering the direction of his flight. "I will discuss that on Friday," he said firmly to one question. Then he softened his brusqueness. "The reason is that I haven't yet figured out how to explain it without going into quantum physics, quantum barriers — all these gags that atomic physicists dream up. I don't understand them either." (There was a physicist in our class of two dozen, as it happened.) So, in van Dam's well-programmed order, and often in his words, here is the gist of the workshop.

He began by reading us a would-be funny newspaper clipping about a "computer error." "Why do people believe this crud?" he asked in disgust. "A friend of mine calls it cybercrud. . . . Cybercrud also are those wonderful 'personalized' letters that begin, 'Dear MR. SMITH, Wouldn't you like to be the first kid in NEWPORT, RHODE ISLAND to own a pair of genuine Naugahyde shoes?'"

Computers, van Dam went on briskly, are neutral. They are a tool. "One can make very effective misuse

of them." But that is not the fault of the computers. It is the fault of the human beings.

The modern computer, in a sense, began in 1642, when the first mechanical adding machine was invented. One can buy a similar device in the dime store today; it did and does work on a principle of interlocking gears. In 1694, Leibnitz took the idea and built a machine that would not only add, but multiply and divide; it did the multiplication by adding repetitively. (3×47 is the same as $47 + 47 + 47$.) The machine was slow, but it worked.

The Jacquard loom, invented by Joseph Marie Jacquard (1752-1834), was a further great advance. The first mechanical device for weaving, these looms use punch cards. "You punch a pattern on a card," explains van Dam, "then have needles attack the card. They only go through if there's a hole," so the card is in effect "a series of yes or no answers" which dictate the pattern of the cloth. The cards are difficult to make: "There's a tremendous investment of time — but once you *have* a card, the pattern repeats indefinitely."

Then came Charles Babbage — "our patron saint," van Dam calls him. Once Babbage saw the Jacquard loom work, he applied the principle to computation and invented something he called the "difference engine" or "analytical engine." "The only problem was, he first had to invent the machine-tool industry," as no tools precise enough existed. "But the idea was right. Had he had the technology, he would have invented today's digital computer."

The point, with music boxes, looms, difference engines, and computers alike, is that *patterns repeat*. Such is the essence of a computer.

The first real computers, Mark I, Mark II, and ENIAC, were developed respectively at Harvard and the University of Pennsylvania during World War II. Each of these machines filled up a room and had about 18,000 vacuum tubes, any one of which could blow at any moment. "Something went wrong with this machine about every fifteen minutes, yet even so it was so fast it justified its existence."

IBM — I liked this part — decided after the war that ENIAC had no future and turned the idea down. But after Univac had sold a few machines, "IBM got suspicious and bought back all the patents and went to work." Since then vacuum tubes have given way to transistors, which yielded to integrated circuits, which

The computer, says Brown's Andries van Dam,
is the most powerful tool man has ever known.
'It's like fire'



Illustration by Sam Smith. Reprinted by permission of American Management Associations.

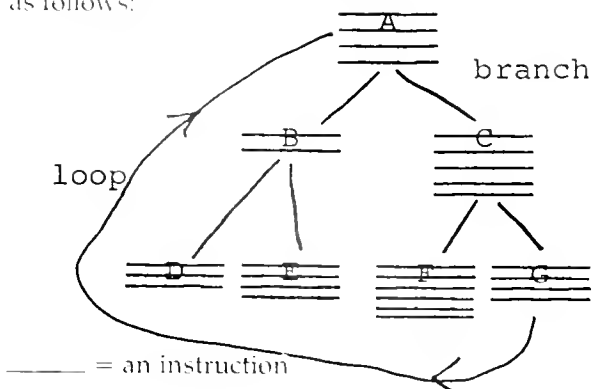
are now being supplanted by microprocessors. A modern computer can do a million operations per second, and "a little chip one-sixteenth of an inch square now holds as much information as ENIAC had, is a million times as fast, and costs pennies to make." All this growth — five or six orders of magnitude — took place in twenty-five years. (And we covered it all in half an hour.)

Question: What does an integrated circuit or a silicon chip do that is equivalent to a pin going (or not going) through a hole? Answer: The chip has minute areas which are charged (or not charged) so that they do (or do not) conduct electrical current. These areas are called bits (short for "binary digits") and are usually expressed as a series of zeroes and ones. An instruction is a pattern of zeroes and ones. An instruction to add might be 011010. And so on. The series of zeroes and ones are known as "machine language."

However, working with computers would be tiresome indeed if you had to punch out zeroes and ones — accurately — each time you wanted the machine to add. So computers are addressed in some more global language, the most common being COBOL, FORTRAN, or BASIC; the computer will have been programmed to "translate" an instruction — such as add A and B — into machine language. Each statement in a programming language generates from five to a thousand statements in machine language.

There are a few pieces of computer jargon that are not only essential to understanding computers, but that have entered the language, so I'll pass them on. A program is a series of extremely specific instructions — algorithms, in fact — which are stored in machine language and which can be repeated. At the end of each self-contained series of algorithms, the result may be the end product. Or — far more often — the program will "branch," to a decision-tree, in which the machine is told to do this if this, or that if that. To store the result in memory and move to a new series of instructions if the result is more than forty-seven — for example — or to "loop" and repeat the operation if the result is less than forty-seven. A "loop" is a repetition. As van Dam explained it, it's as if you told the machine, "When you've done it, take the number and do it again, as often as I tell you."

An extremely simple program could be visualized as follows:



The computer never forgets, does not make mistakes. But 'it has no common sense'

The action might go A, C, G, loop, A, B, D, and so on. Programs may have an indefinite number of branches, loops, loops within loops, loops within loops within loops, sub-programs and sub-sub-programs — all as specified by the programmer. "The computer is a completely variable instrument," says van Dam happily. Given millions of such instructions, a computer can do very complex things like play chess, maintain an inventory list, or keep track of airplane reservations.

The difference between a computer that plays chess and a computer that handles inventory does not lie in the "hardware," the machinery itself, one must note. The difference is in the programming, the patterning, which is called "software." Hardware and software are separate businesses, both booming. (There is also something called "firmware," which is betwixt and between and is itself becoming an industry.)

One needn't know much more about the technology to understand why van Dam calls a computer "an extremely fast moron." It is that. It never forgets. (Well, hardly ever.) It does not make mistakes. (Self-checking circuitry is built in.) But "it has no existential choices, and no common sense." Each program must be precisely right, and complete. An obvious example is the ludicrous case where a computer solemnly issues a check for \$0.00. That happens because someone made up a program telling the computer what to do if the answer is a credit, or if it is a debit, but forgot that occasionally the credits and debits will balance. Or sometimes a program, by a similar oversight, will get into an "endless loop" (the bane of beginning programmers, van Dam says). For example, if you tell the computer to keep multiplying A by B until the answer is greater than one, then ask it to multiply a fraction by a fraction, it will go on multiplying forever, while the result gets smaller and smaller. A programmer must visualize every possible contingency, however unlikely.

As a result, it is not possible to write a program to execute any process that is not understood in every minutest detail. "Humans are used to gesturing hypnotically and having other humans understand what we mean by 'Wash the pots and pans' or 'Bake in a moderate oven till done.'" But a computer needs it spelled out. Therefore — here's some more jargon — "Garbage in, garbage out." "Paranoid personalities

make very good programmers," says van Dam, only half joking. "It takes you years to learn to worry that well."

The hardware — now usually microprocessors, the so-called "computer on a chip" — is mass-produced by elaborate photographic processes, and costs only pennies a chip to make. And software for circumscribed uses like running a digital watch can also be cranked out in quantity, and cheaply. But more complex programming is still time-intensive and very expensive; developing a payroll program, for example, may require 50,000 man-hours. In general, then, software accounts for about 90 percent of a computer's costs. Fortunately, much of that programming can be re-used on other programs, so that the usable programs and sub-programs accumulate. If you want a sub-program that can find a square root, for example, one exists for every make of computer; you needn't re-invent it. So there is now a respectable number of "software building blocks," which can be arranged and rearranged to suit most purposes. In principle, "a good general-purpose computer can be made to compute anything that is computable." (Although, van Dam cautions, some mathematical processes are not mathematically computable. "Nor do we have programs for all the processes that *are* computable, by any means.")

A million operations per second, even in machine language, is faster than road-runner speed, and certainly faster than any human can feed data into the computer. In fact, today's general-purpose computers are fast enough to handle forty to fifty terminals; the computer can do what one user needs done in a micro-second or so, leaving its circuitry free to serve another terminal for the next micro-second. The computer just rotates from job to job, in round-robin fashion, with its time and memory shared out among the users.

This system, of course, is hardly an efficient one. If the central computer is "down," no one can do anything. If the central computer "goes a trifle nutty," everyone's results are skewed. And if many terminals are in use at one time, the machine may be overloaded and "thrash" — keep you waiting — for as long as ten seconds. Ten seconds is not long, but it's a nuisance if it happens often. Furthermore, the human error of one user can louse up the results of another. Suppose you and I are time-sharing. I update my mailing list, and I want to throw away the out-of-date addresses. However, I make a typing error at the terminal and type in the wrong code, thus perhaps dumping some of your information, or — more likely — dumping the wrong part of my own.

Therefore, today's computers require elaborate back-up systems, and all transactions have to be held in subsidiary memory for at least a few days. The hope is that my hypothetical error would be apparent soon enough that one could go back and start again, from

the pre-mistake state. Or often the same job will be done several times, as a double-check. All of which wastes expensive computer time.

A number of solutions are appearing. One is "smart" terminals, themselves mini-computers, programmed (among other things) to catch at least some inconsistencies and errors. But the best solution, van Dam thinks — he is very excited about this idea — will be distributed processing systems, in which a collection of matching units will be interconnected to work together "as in an Athenian democracy." There will be no central element "in charge," nor any centralized state table. Because tasks will be sub-divided, such a system will be faster and more powerful; because there is no master unit, the system will be more reliable; and obviously it will be much easier and cheaper to extend. But that day isn't here yet.

So what can you do with these revolutionary instruments, given human error and the rudimentary state of computers? Almost any scutwork, according to van Dam: routine contracts and wills, for example; inventory control; bills; personnel records; typesetting; multiple listing; banking; and much more dazzling things.

The first day of class, after the lecture we went over to the computer center to observe "computer-graphics." A graduate student, Read Fleming, had been detailed to demonstrate for us, and when I arrived he was manipulating controls to make a hemisphere roll, rotate, and contort in four dimensions. "All the mathematicians really go wild about this stuff," he said cheerfully. "There's a certain class of mathematical objects that are extremely difficult to visualize, and now we're actually able to see them." "But is it *useful*?" demanded one man. "What can you do with it?" 4-D work, it turns out, does simplify some calculations, especially in engineering. You can take a three-dimensional object and assign temperature as the fourth dimension (or whatever you wish to assign), and manipulate the variables. Computergraphic systems have also been used to do utility plans for skyscrapers. "Each floor is mostly the same, and you can put in any small adaptations as you go."

In general, van Dam says, computers are far better than humans at any task requiring surveillance and precision. Computers can do process control in petrochemical plants, power plants, and power grids. They control air traffic now — "most of the time the operators just sit there." A computer can count parts going by far better than human beings — its attention doesn't wander. And, given appropriate sensors, it can measure such things as thickness or temperature and take steps to straighten out any problems in a microsecond — before a human being would even notice the deviation. The stock exchange, van Dam says, is now completely computerized, and he sees brokers as obsolete. "They don't serve any function any more."

Nor do portfolio managers. "Computers are much better at keeping track of stocks and plotting trends than are fallible human beings — although, of course, the machine has to be told what to look for."

Then there's simulation, which already has manifold uses. Did you ever play "Driver" in a penny arcade, that game where you hold a steering wheel and try to keep a little model car moving down the "road" on a rotating drum? A computer simulation is somewhat like that, but is far more realistic and complex. There are programs that simulate piloting a tugboat through New York harbor, obstacles, other boats, emergencies, and all; they're used for training. "They're so good, people get motion-sick in them." Likewise, your 747 pilot tomorrow may never have flown a plane; pilots are now trained entirely by simulation. And more.

Then there's modeling, the much-debated modeling. You can build a computer program that includes all the many thousand factors you think affect the weather, for instance, and set it up to duplicate the way you think those factors interact; that's a model. Then run it, and see if it predicts tomorrow's weather. If it does, your model is correct — maybe — for the conditions of today. If it doesn't predict at all, you need to think again. "We get huge systems of equations," says van Dam of modeling, "and we keep tweaking the parameters until the computer does the same things as the real thing — then we know we're on the right track."

The possibilities are exciting. In time, dangerous scientific experiments — the kind that blow up — may be run on models, rather than in real life. And medical and computer people are working together to model the human body. In due course, they hope to subject the model to (modeled) pollution and the like, to see how well the body withstands what conditions. Need I spell out how useful that could be?

It seems like a daydream to think we can initiate a process and see what happens, without taking any risk, but that's one potential of modeling. Already, modeling has made major contributions to econometrics, to industrial design, and to our understanding of the kidney system. The moon landing was modeled; "they played what-if for years before they ever dared send it." And in all these cases, you can "undo" results, take a second look, see it in slow motion — whatever you like, just by changing the program.

The flaw: Models cannot be trusted. Even if the model does behave exactly like the real thing, you cannot be sure that its *processes* match those of the real thing. We can only *assume* that we now understand what all the factors are and how they interact. Ask, for instance, how likely nuclear reactors are to blow up. "The experts claim they won't," says van Dam, "because they've modeled them to death. But until one blows up we won't know how good the models are." The spectre of the unknown and the unpredictable

Medicine is one field that computers have already revolutionized

haunts the model-maker — especially if the model includes social and political factors. Humans are notoriously unpredictable. And even if a model *were* perfect, it would not remain so. A model may predict a situation well for three years; then some factor in the real-life situation changes and another works better — or no model works.

Another problem that concerns van Dam: "The behavior of the real thing will often be affected by the model — as when, on the basis of one-tenth of one per cent of the East Coast vote, you predict that X will be elected. The prediction may affect the turnout of voters on the West Coast," because the prediction is made before the polls have closed in the Pacific time zone. A West Coast voter might assume his candidate was a shoo-in and not bother to vote, while those opposed to the apparent winner might turn out in larger-than-ordinary numbers.

Medicine is one field that computers have already revolutionized. They routinely read such tests as EKGs and Pap smears. (To look at slides, a special piece of hardware probes the slide, and by analog-to-digital processing can convert the information into electrical signals which the computer can interpret.) Computers can monitor patients in intensive care, "because you cannot afford to have a human being watching the patient around the clock. Computers are *better*," van Dam says with emphasis. "They can watch fifty systems at a time, they never fatigue, and they can ring alarms to summon the human beings if there's some problem." There are already tremendous medical libraries that you can dial into.

And microprocessors — the tiny "computers on a chip" — are now an essential part of many pacemakers, and of the art and science of prosthetics. Put into an artificial arm, the micro can sense electrical currents in the muscles of the stub and can "actuate the effectors to execute the desired motion." Which can be quite a subtle motion, perhaps including finger movement, compared with what the old artificial limbs can do. There is a hitch, of course; so far these prostheses are largely custom jobs. But the potential is enormous.

Computers have brought you the wonders of Computerized Axial Tomography — essentially three-dimensional X-rays. Computers can enhance the contrast between images on an X-ray screen, to make



Wearing his FORTRAN T-shirt, Andries van Dam illustrates a point he made during his summer college lectures.

John Foraste

some slight shadow on a brain, for example, easier to see. And more. I have only skimmed the surface of what van Dam told us, and he carefully emphasized that *he* was only skimming the surface.

Van Dam is especially excited by "differential diagnosis programs," in which a master computer would have all current validated information about a given specialty. A physician with an inscrutable case could dial in from anywhere in the country, to get a result something like this: "90 percent likely he has this, 80 percent likely he has that, 15 percent possibility of the other, testing X and Y should tell you which." "Doctors are not excited about this," says van Dam. "Doctors are extremely uptight about anything that interferes with their medical judgment."

Indeed yes. In fact, I'd call that a gross understatement; physicians react to these ideas with outright rage. "Ninety per cent wouldn't be good enough for you if it were *your kid*," one physician told me darkly. In van Dam's view, however, the anger only means that physicians don't yet understand the system. He looks at such a diagnosis program as "hands across the sea," man and machine working together, each doing what each does best. The machine is never tired, he says. It never forgets. It is never misled by hunches. It can be kept entirely up-to-date on validated medical knowledge. And therefore, he estimates, the machine's judgment on the most likely diagnosis is 90 percent correct, while human beings are only 60 to 70 percent correct. "*The doctor is still deciding*," he emphasizes. "This is a *tool*, that's what we push. Let the machines do what they can, and free up the human beings for things that require a giant intuitive leap — that's where we have a terrific advantage over the machines."

More applications: "A Child's Wonderland of Applications," van Dam called this two-day section of the workshop, and it was. I, at least, began to feel dazed. The possibilities are too much to take in all at once. But van Dam tried, and the class tried. Onward.

In our homes, he says, "we'll have smart everything, through myriads of microprocessors." (Imagine, for instance, a beater that adjusts itself to the viscosity of the dough.) Micros will run our appliances, turn lights on and off, regulate the heat to conserve fuel. (They already control fuel use in some automobiles.) "In fact, microprocessors are the name of the game." We'll have smart traffic lights, smart laboratory instruments. And a microprocessor lasts six to eight years, if not more. (When they do fail, it's usually because of some subtle manufacturing defect that wasn't apparent at first.) The "household computer" — the one we saw demonstrated now costs only \$900 at your friendly local Radio Shack — is only ten years away from common use, van Dam says. It'll do income-tax returns and other dreary chores, and handle all sorts of communication with the world outside — of which, more later.

Computers will do natural language translations, as for the UN. Could machines do simultaneous translation? Or translation of scholarly and medical journals from, say, French into German? To date, the answer is, "Not very well." Understanding languages, van Dam points out, depends on context, ambiguities, and idiom. Mood and tone of voice convey a good deal. "Time flies like an arrow," van Dam says, and shrugs. "Now how on earth can a machine handle that kind of statement?" Answer: It would need a special sub-program to handle each such saying, as exemplified by a boo-boo that came out of a program for Russian-English translation. As part of testing the program, the machine was asked to translate "The spirit was willing

but the flesh was weak" into Russian. Then the programmers took the resulting Russian sentence and asked the machine to turn it back into English. What came out? "The booze was great but the meat was rotten." (Still, machine translation can yield a good rough draft, on technological material.)

Robotics: Industrial robots already exist, to do chores like put a screw on a bolt and tighten it. But these are only a beginning. At MIT, robots have been developed which can understand colors, shapes, and relationships, and they can "speak" and understand about 100 words — enough to respond accurately to voice commands like the following: "Find a block which is taller than the one you are holding and put it into the box." Or, "Please stack up both the red blocks and either a green cube or a pyramid." And the machine can learn from experience; it has a program to improve the decision-making program, so that once the machine observes that a trapezoid will topple if it's put on the edge of a block, it won't make *that* mistake again." Says van Dam, "You can't ask it, 'Is it humid today?' It only knows its microworld — blocks. But it knows all about blocks. And there's a spleen microworld, and a heart microworld, and a chess microworld."

If this "very, very exciting" robot that knows all about blocks strikes you as an infant, it should. For in effect, this work and the chess-playing computers are primitive experiments in Artificial Intelligence (AI); they are efforts to find out, using well-defined and emotionally barren subjects, how machines think. (And the infancy need not be discouraging. As van Dam points out, "Ordinary arithmetic was a university-taught skill in the eighteenth century.") Already, computers have done mathematical proofs in more elegant and straightforward ways than any human proofs, because the computer can evaluate strategies by trying every possible alternative, every *combination* of possibilities — which humans cannot think fast enough to do.

"Are these machines artificially intelligent?" asks van Dam rhetorically. "I dunno. They certainly have intelligent *behaviors*." Will computers be able to create other computers? someone asked. "Yes, why not? Sorcerer's apprenticeville, oh yes, absolutely." He said it with great cheer, as the class stirred uneasily.

Less frightening are the computer's potentials for word processing, text processing, teleconferencing, and electronic mail. "It's been studied," van Dam says authoritatively, "and most secretaries spend most of their time *re*typing, not typing. Computers can eliminate redundant key-stroking." (Van Dam's speech alternates between technological jargon and racy slang.) The answer is to have a "smart" typewriter. Once the copy's been entered into the machine, the operator can specify just where any change is to come, and the machine can make the change. The finished writing can then be run through a typesetting termi-

'The automation of information will be the third Industrial Revolution'

nal if you choose; and indeed, most major newspapers and magazines already use such a set-up. For household and business purposes, text could be sent by "electronic mail" to the terminal of whoever was supposed to get the letter. "Electronic mail could get from Providence to San Francisco in five minutes."

Teleconferencing: maybe people won't need to get together at all to have a conference. Set up a computer network and let each conferee type in comments on land-use planning or whatever, and read and respond to other conferees' ideas, *at any convenient time, in his own office*. It would be a mixed blessing, van Dam admits. "You lose body-language and other sub-vocal input. *But*, no one can out-shout anyone else. No loudmouth can drown out the quiet, thoughtful one. The system forces people to be succinct. And you have a written record."

In general, van Dam is fascinated with the idea of doing away with paper, especially for manuals, encyclopedias, indexes, and any other such information that needs to be constantly updated. "Printed material wastes energy, it has a specious air of permanence which it doesn't deserve, and worst of all, it's two years out of date by the time it gets out." He thinks that newspapers and magazines and library books will eventually be read through the household computer; you'll just punch in the appropriate code and the material will appear on the viewer, "hand-tailored." If you're interested in sports news only, he said, that's what your computer will give you.

By this time the class was more than stirring restlessly; there was a librarian in our group, who objected strenuously to this idea. It would do away with libraries, she thought. "Oh, libraries are already dead," said van Dam. "You just don't know it yet. They're all years out of date." I fired up. "Some of us *like* to read old books!" Another woman cheered and agreed. "It sounds like we'll never leave the house!" said someone else. "Don't you like people?"

I have never seen such a hostile class, and I gave van Dam about 200 points for remaining civil. We were attacking the field to which he has committed his professional life, and he cannot have enjoyed it. Indeed, he must have felt much as the librarian did on hearing libraries were already dead.

"I always preach hands across the sea," he said again, patiently. "These things will not supplant librarians. They will allow librarians to get back to helping

people, instead of spending all their time checking out books." Likewise, in his view, computer-assisted teaching will not supplant teachers. "Hell, I'm a teacher, and I want to keep my job, too!" The computers will allow teachers to get back to *teaching*, he insists, and let machines handle the *drill*.

The "hand-tailored" publications also worried some of us. Wouldn't it be very limited fare? Wouldn't it tend to keep people from exploring anything new? Van Dam remained patient. "True, some people go to a good French restaurant and order steak and potatoes," he said. But leaving those people aside, "we'll have *more* choices, not less. There will be more small publications than ever, because if you don't have paper and printing to worry about it becomes financially feasible to have a magazine for the whole 6,000 people who are interested in astrological influences on engineering." I doubt it, though. Theoretically, TV could offer a fantastic variety of material. But does it? The precedent is frightening.

Van Dam agrees the computer age "may be catastrophic," but he doesn't dwell on it. "There will always be room for beauty, for calligraphy. . . . Let's take away the drudgery and let managers get back to managing, teachers get back to teaching. The peer relationship can be preserved where it matters. We'll just use computers for mind-dulling repetitive tasks."

Hands were still waving furiously, but van Dam wanted to move on, and he did. He was determined to at least mention everything he'd planned to discuss. "Now here's a *real* problem. Take arithmetic. What happens if the calculator breaks and you've forgotten how to add and subtract? — you can't balance your checkbook. We'll undoubtedly develop dependencies. Even now, a 747 literally cannot be flown by a human being. Its works are too computer-dependent. . . . I have no answer."

Another problem: The automation of information, van Dam thinks, will be the third Industrial Revolution. "Therefore we should expect the same radical restructuring of society that occurred in the eighteenth and nineteenth centuries. . . . But nobody expected it then. It would be nice if *we* could be prepared for it, plan for it — we're only at the beginning of the revolution. We're at the bottom of a curve of exponential growth." One predictable consequence: Automation will replace people. So far, the computer industry has created more jobs than it has destroyed. "But in fifty years, there'll be massive displacement."

There will be data banks everywhere — with good and bad results. "We'll need lots of pressure to implement the Freedom of Information Act, and to preserve the privacy of individuals." Leaving aside the data banks that exist for insurance and credit and banking systems, already data banks at the IRS know all about our income and spending habits; such information would be a dangerous tool in the hands of a despot.

"Decisions will be made *for* us — with the aid of computers and bad programs — and there's no way of stopping that unless you keep screaming."

Computer crime. "Now, *there's* a growth industry for you."

Computers must be standardized. At present, most major programs are custom-made, and poorly made, for an ever-proliferating array of different computers. As a result, computers do not "talk" well with one another. Standards are "very necessary, and very hard to get," van Dam says, "because of the NIH phenomenon — Not Invented Here."

"The computer," he said, coming to an abbreviated grand conclusion, "is the most powerful tool man has ever known. It's like fire. We may be overpowered by it, or we may make advances we cannot conceive of. But as of the moment, our ability to build computers is greater than our capacity to use them properly."

Still having questions, I made an appointment. "How much energy," I asked, "do computers draw?" Not a problem, he said — for the *computer*. Most modern computers rely on batteries anyway. The peripherals, however, such as the magnetic tapes or disks on which information is stored, do use too much power. In fact, a related problem is part of a project van Dam will be working on this fall and winter, while he's on sabbatical from Brown. (He's chairman of the computer science department.) As well as teaching a course in computergraphics at the University of Geneva — and skiing — he will be working at CERN, the European nuclear research establishment, there to worry about distributed networks of microprocessors. CERN keeps track of nuclear events around the world, "and what they get is 5 percent wheat and 95 percent chaff. We've got to move their system from collecting data to collecting *information*" — maybe by putting some intelligence where the sensors are. Smart sensors could "sort the information as you get it, so you don't have unbelievable volumes of tape — much of it garbage."

Another worry of mine: Computers don't seem a good way to keep *permanent* records. Consider *The New York Times* archives, now on computer and available at many major libraries. But someone is presorting the information before it goes into the computer, and what we need to know ten years from now may not be what seems important now. "An excellent worry," says van Dam. "We have a tremendous amount of trouble making the artifacts of our civilization machine-readable. It's a pity, but even we in the computer business don't keep very good records — important ideas and papers have been lost already. We can't organize what information we *do* have, let alone all we want."

Another problem: Computers do what we tell them to, more efficiently and quickly than the former methods. Doesn't that prevent social evolution, by

locking us into a particular way of doing things? I asked. Are computers perhaps keeping institutions afloat that really "ought" to sink under their own inefficiency? "Who knows? It is the case that if you're a bureaucracy without computers, you're going to be very much more careful what information you gather. As it is, the temptation is to gather anything and everything."

What about serendipity and browsability? It seems that, in order to get information out of a computer, you not only need to know it's there, you also need to know its location in the computer memory. Van Dam thinks this condition is an interim one.

Scientific papers, he says, often appear now with the important code words (perhaps "sewage," "pollution," and "city water") noted in the abstract. There'll be more of that, and information will be coded by key words rather than location. Browsability will come, too, he says, through "hypertexts," in which a computer-based collection of documents is linked with cross-references, footnotes, annotations, and other relevant material. The person using the hypertext can call up as much or as little of the annotation as he wishes. It's rather like an encyclopedia's "See also," but without the hunting around; van Dam thinks people are more likely to "see also" if all that's involved is pushing a button. In a recent project, van Dam and Brown English professor Robert Scholes taught a freshman poetry course with all material presented through hypertext. The students using hypertext learned somewhat more than students exposed to the same material through printed matter, and the students on computers, entering their own annotations, wound up writing *significantly* more. Van Dam thinks this teaching technique might be ideal for teaching writing. (Are they giving the course again? "No. No funds.")

I think," van Dam said as I left, "that twenty-five years back or twenty-five years forward is a short view. Look at that curve of exponential growth" — he gestured at a sketched curve skyrocketing upward — "and think about the next thousand years. We're in the Stone Age. We can't even imagine what will come, any more than a caveman could anticipate a 747."

He gets angry, he told me, when people keep saying computers can't do this and computers can't do that. "Computers can't recognize faces, and computers can't make value judgments," he quoted sarcastically. "Well, okay, so they can't. But who's to say they won't be able to in the future? And as for making value judgments, look at our divorce rate and all our wars, and ask yourself how well human beings do it."

He has a point. But a point that, in my view, underscores a judgment that the world is not ready for computers. I came away from this workshop with a new appreciation that our present computers are

clumsy beasts. Yet even so, look what they can do, for better and for worse. I am sure that all van Dam's daydreams, and more, will be fulfilled — most of them within my lifetime. Some of them in the next few years.

But who is going to decide how these tools will be used? Precedent would indicate that four conglomerates decide, with a view to maximizing profits rather than human richness. Is that what we want?

And the intellectual and professional level at which a person will be unemployable — at which there will literally be no job he is able to do — will rise steadily. And do we handle our *present* level of unemployment well? No.

Furthermore, these are only a few of the obvious questions. Who foresaw the radical changes that the automobile has brought? No one. It is reasonable to suppose that the computer will change our lives even more, in even more unexpected ways.

The least we can do, it seems to me, is mount a crash program to prepare for the *obvious* problems. Those we cannot anticipate will be unsettling enough.

Andries van Dam recommends:

Arbib, Michael A. *Computers and the Cybernetic Society*. 1977. Academic Press. New York City. An excellent all-around book. "It's been out over a year and it's not even much out of date," says van Dam, with some surprise.

Nelson, Theodor H. *Computer Lib*. 1974, obtainable through Hugo's Book Service, Box 2622, Chicago, Ill. 60690. A *Whole Earth Catalogue* approach to computer mysteries. Browseable, human, accessible to the layman. Explains not only what and how, but why you should care and why computers are fun.

Schneider, Benn Ross, Jr. *Travels in Computerland*. 1974, Addison-Wesley Publishing Company. An amusing and beautifully written account of a humanist's encounter with computers.

Elise Hancock is editor of the prize-winning Johns Hopkins Magazine. She and her magazine this year won the Harper's Magazine award for excellence in staff writing in alumni magazines.



Thayer Street

Whatever happened to the street where once 'the boys from Brown came to meet the girls from Pembroke'?

Text by Matthew Wald '76
Illustrations by Barbara Glazer '79

She had gone to Pembroke and he to Brown, and their courtship stretched over four years in Providence. More than a decade later, they met a Brown undergraduate and were full of nostalgic questions about Providence.

"Tell me," she asked. "Do the boys from Brown still come down Thayer Street to meet the girls from Pembroke at the Hungry Sheik?"

The Hungry Sheik restaurant is gone, but these days people from all over Providence come to meet each other on Thayer Street, now a center of stylish clothing stores and restaurants. Once a subdued commercial interruption to the serenity of the residential East Side, the street these days is one of the liveliest sections in the Providence area, especially after dark. Old timers say the change is profound.

"When we opened up twenty-three years ago," says Belle Eisenstadt of Belle & Lester's College Launderers and Cleaners, "people thought, 'Oh, no, a launderette on Thayer Street?'" The

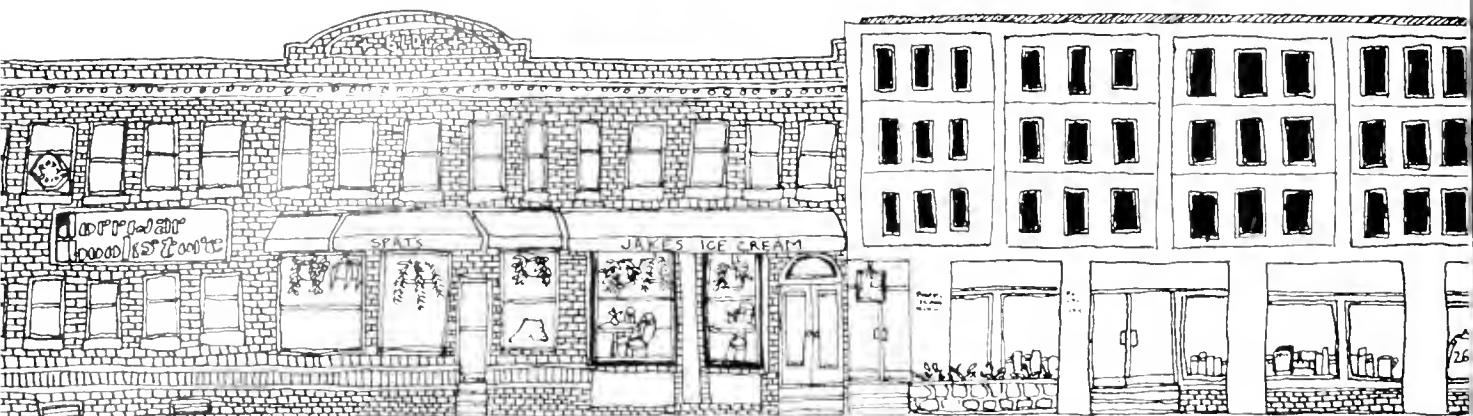
shop was then bordered by the homes of servants of the rich.

"They thought it was awful," chimes in her husband, Lester, who adds, "If only the same people could see what's happened now."

Now there are fifteen restaurants on Thayer Street or within a block of it, eight of them serving liquor, plus three stores retailing take-out food. The street has fourteen clothing and shoe stores, nine haircutting establishments of assorted gender orientation, five bookstores, four hi-fi stores, four stores selling liquor, a "Store 24" convenience store, a repertory cinema, and a potpourri of shops offering electronic equipment, cameras, off-beat household accouterments, gifts, and office supplies.

The street has also acquired some of the less desirable aspects of a big city. On the sidewalk in front of the Brown Bookstore and the Rhode Island Hospital Trust National Bank runs a low stone ledge known as "the wall," which in warm weather attracts a crowd — some





regulars and some dritters, but few from the area — which might seem more in place in Greenwich Village or Haight-Ashbury.

"Want one?" asks a wide-eyed young man in very casual attire who seems to give new meaning to the phrase "better living through chemistry," proffering a potato chip from a bag on his lap to a stranger passing by. Next to him sits a woman of similar visage and vintage, in a voluminous skirt and blouse of uncertain color, blowing soap bubbles into the night. The bubbles drift upwind on the sidewalk, to the Brown Bookstore, where a silent, sullen-looking man reclines on the seat of his motorcycle, resting his feet on the handlebars.

"There is one guy there," says James C. Lyons III '71, director of Brown Security, "who has taken to shouting 'capitalist pigs' at people dressed half-way respectably as they walk into the bank, which doesn't sit well with the bank manager."

Further up the street, a "penny arcade" of twenty quarter-swallowing

pinball machines, called Games People Play, attracts a crowd of teen-agers, some of whom, according to Lyons, have caused property damage in the area. Merchants in the area say they suspect them of break-ins.

Residents on the surrounding streets complain of people "hanging out," playing radios and drinking outdoors late at night, and say that illegal parking has blocked fire engines and ambulances on the side streets. H. Cushman "Gus" Anthony '26, president of the Concerned Citizens of the East Side, who lives in the house he was born in two doors from Thayer Street on Euclid Avenue, says the charm and ambience of the street is being destroyed as new stores displace the old. "We have the type of growth I would denote in the body as encephalitis."

But the problems and misgivings so far seem minor hindrances to the expansion of the area, which, along with the renovated section of South Main Street at the foot of College Hill, forms the chic playground of the city. "The Thayer Street area is one of the most

cosmopolitan and vibrant commercial districts in Providence," says Vincent "Buddy" Cianci, the mayor, when asked about the growth. It is also one of the most prosperous.

"People usually have money when they walk down this street," observes Hiram Samuel '81, who was doing a brisk business in \$4 mechanical birds on the sidewalk in front of the Brown Bookstore one afternoon a few weeks ago. "They come to Thayer Street to buy something," he says, adding that with the exception of the Hospital Trust Plaza downtown — where a security guard chased him away — it is the best place he has found to sell his wares.

"It's not just money, it's a certain type of money," points out Robert E. Hill, Brown's associate vice president for administration, who is in charge of the University's real estate holdings. The street supports such stylish stores as Thayer Cheese & Specialty Company, which does a brisk business in imported candies & coffees, and Spectrum International (formerly Spectrum India), which carries women's clothing





imported from the Far East and elsewhere. Also thriving are two trendy cafes — Penguins, popular for its frozen yogurt concoctions and sandwiches on pita bread, and Le Papillon, a Belgian-style restaurant around the corner on Angell Street.

By comparison, much of the rest of the city shows commercial decline. "I went to downtown Providence once," says Jonathan Gilbert '76, now a fourth-year medical student at Brown. "It was like something out of a Fellini movie: all cracked sidewalks and pigeons, and no people."

But in contrast, the growth on the East Side is continuing, with old wood-frame houses on the street being torn down or converted to retail use. "I probably average at least one telephone call a week from real estate agents or commercial establishments looking for space," says Bob Hill. The University rents five stores facing Thayer Street in the back of the award-winning new Pembroke dormitory complex. It also owns a large plot of land adjacent to the Sciences Library, where the building

that housed Lloyd's Delicatessen once stood — it burned in 1973 — and a wood-frame house on Olive Street near Thayer which has housed students and faculty, but Brown is not anxious to see commercial development in either place.

With space limited by zoning restrictions — between Waterman and Bowen streets, most of the area within 100 feet of Thayer Street is zoned commercial — the result has been to drive up rents on the heavily traveled thoroughfare. Tenants are vociferous about the increases, but reticent in talking about just how much they pay. However, the going rate for space is now about \$7 per square foot per year for a bare store, a price level which indicates that merchants believe Thayer Street is as good a location as any in the metropolitan area to do business.

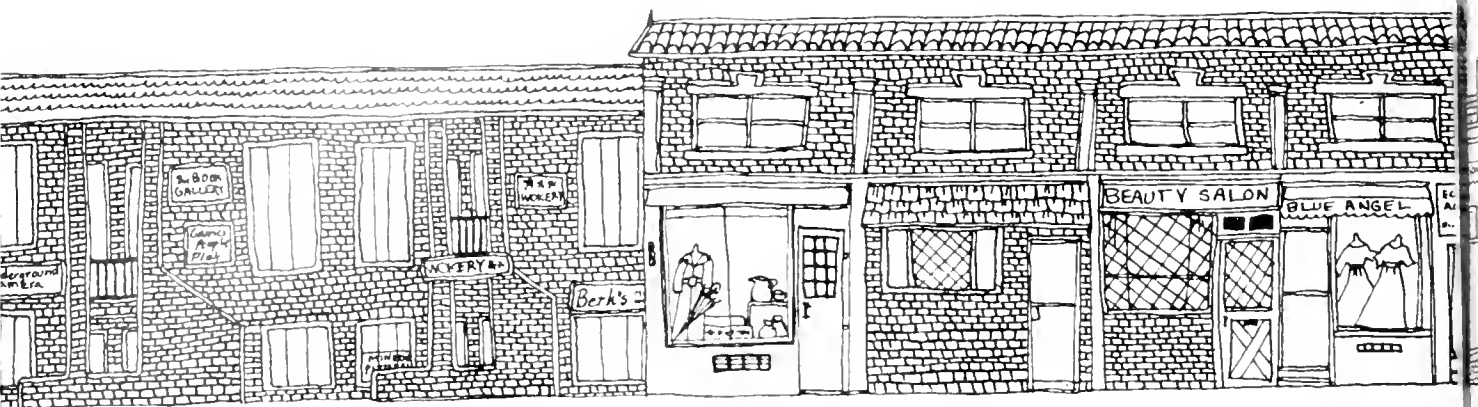
The catalyst for the growth was probably the University itself. The expansion of the 1960s meant that a growing student body began to spend more in the neighborhood. Although clothing and cleaning establishments suttered in

the late sixties and early seventies, restaurants did better, with only 70 percent of Brown's resident students buying meal contracts from the University in 1971-72. The proportion of students eating at University Food Services facilities was up to 88.5 percent last year, but people from all over the area now fill Thayer Street.

"At lunch time, there are so many people around from everywhere, including downtown. And they're putting a store in every little hole they can," says Gus Runci, who with his brother-in-law Joseph Alba has operated a barber shop on the street since 1932.

"I see people I know from Warwick and Cranston walking past," adds James Salafia, Jr., who with his brother Joseph Salafia '49 runs Clark's Flower Shop, which their father opened half a century ago. "They'll buy an ice cream cone at Baskin-Robbins and walk up and down Thayer Street, sightseeing," he says. Salafia, who is president of the forty-member Thayer Street Businessmen's Association, tears that the popularity of the street may be the area's un-





doing, with fast-food franchises attracted by the crowds eventually changing the atmosphere, and squeezing out the stores which give the strip its character. In addition to Baskin-Robbins, a McDonald's and a Dunkin' Donuts grace the area.

"We've been offered twice the rents we're getting," says Salafia, whose family owns the four adjacent stores, now housing a tailor, an electronics repair shop, a record store, and the Tin Woodsman. "We don't want to grab more dollars with another greasy spoon — there's enough of that already," he adds. "That's not going to offer the area anything special, or a personal service."

Personal service or not, the variety available on Thayer Street has helped it compete with the suburban shopping complexes that killed Shepard's department store downtown and imperil the rest of downtown Providence. Despite the lack of certain items — many feel that the area lacks a good hardware store and an adequate selection of sports equipment and women's clothing

— people and money continue to flow. Says Jim Lyons: "It's become a mini-mall."

Matt Wald is a New York Times reporter who has had a lot of time to spend on Thayer Street recently.

Thayer Street: What to eat and where to buy

Some Thayer Street establishments of interest to visitors

RESTAURANTS

Alfredo's: Good Italian food (especially the lasagna), although better is available further afield.

Wokery: Nicely decorated. Good Szechuan and milder Chinese food.

Minerva's: A branch of the Wayland

Square institution. Some say the best pizza on the East Side. Greek style.

Dunkin' Donuts: Standard fare. Service is atrocious.

International House of Pancakes: Excellent pancakes, but nothing else outstanding on the menu. Crowded on Sundays.

Penguins: 1980 prices at current rates of inflation. Pleasant outdoor tables for exploring all the possible permutations of frozen yogurt. Sandwiches.

Andreas: Successor to Super Sheik, Hungry Sheik, and a Chinese restaurant on the same site. Souvlaki and other Greek specialties, and a full bar. Under joint ownership with Spats and Jakes.

Spats: Pseudo-Gay Nineties decor. Burgers, short-order dishes, and sandwiches in a restaurant section. Pub tends to get heavy with cigarette smoke.

Jakes: Not as wide a selection of ice cream as Baskin-Robbins, but very tasty. Size of scoop varies with mood of server.

Rascal House: Since Lloyd's burned and moved from its Waterman Street location to Hope Street near the Pawtucket line (where it eventually burned again), Ronnie's Rascal House has assumed the throne of Delicatessen to College Hill. Good pies and cakes.





University Delicatessen: Yes, Sammy is still making sandwiches to go.

McDonald's: (around the corner on Angell Street) Great if you like McFood.

Le Papillon: (also on Angell Street) Attractive interior. Crepes, omelettes. Runs toward the higher-priced range by Thayer Street standards.

Oliver's: (on Brook Street, corner of Benevolent Street) Successor to Jimmy's and the Brown Derby. Not memorable.

Louis': (next to Oliver's) Good pizza and a sure place to find undergraduates; possibly the most Brown-dominated eatery in the area.

Beef 'n' Bun: Since it changed hands earlier this year, the french fries have shown some decline, although the Brown Cheese-burgers have not suffered.

CLOTHING

Harvey's: (on Waterman) Updates traditional clothing. Run by Phil ('46) and Harvey ('50) Lapidis.

Hillhouse: Now coed. High quality clothing for both sexes runs toward the preppie-banker variety.

Roxy Deluxe: Art Deco clothes, old football jerseys.

Poohsini: Hand crafts and clothes.

Mark II: Begat by Mark David, for younger tastes.

Jone Pasha: Mexican clothes and hand-crafts. With the Front Porch, now slightly out of the way above E. P. Anthony drug store.

BOOKSTORES

Brown Bookstore: Textbooks and coursebooks upstairs, where at the beginning of the semester, students with tape measures can be found comparing reading lists. Respectable selection of tastier books on main floor. Downstairs, world's largest collection of Brown insignia plastered over everything.

Dorrwar Bookstore: Named for the Dorr War, a tax rebellion in the 1840s. Hard-to-find left-wing polemics, books on all subjects, Lenin posters.

College Hill Book Store: Great paperbacks. Open late and on Sundays for browsing.

Scrooge & Marley: Monster collection of used books.

Book Gallery: Books, comic books.

MISCELLANEOUS

Store 24: A misnomer, closes at 1 a.m.

Expensive groceries, sundries, edible underwear (men's and women's styles). Probably the least-liked and most-patronized store on campus.

College House Pharmacy: Don't overlook it when trying to find wine on campus.

E. P. Anthony: Part of Thayer's old guard. Great decor. Expensive prescriptions, excellent candies.

Kline Jewelers: Friendly service.

Avon Cinema: Now a repertory theater, with good films.

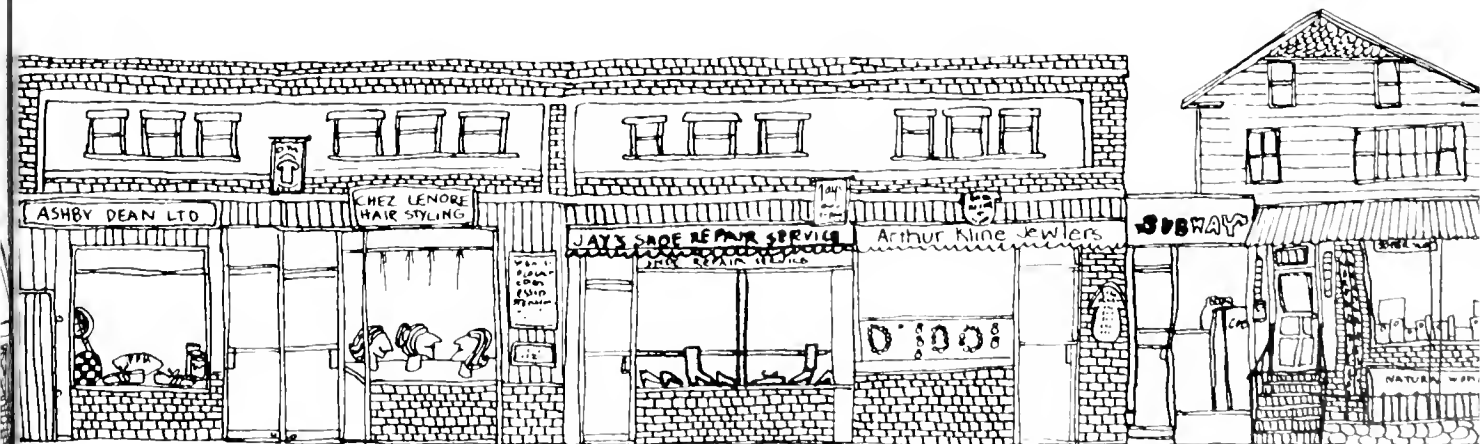
Travel Time, College Hill Travel: It the agent is a student, make sure he is acquainted with all the new fares.

Merry-Go-Round: Now in its third Thayer Street location. Students like to browse over toys in windows.

Thayer Cheese and Specialty Shop: A branch of Thayer Market. Wide selection, no bargains.

Red Carpet Smoke Shop: (on Waterman Street) Still going strong, despite predictions that it would close if decriminalization did not pass the state legislature by 1975. M.W.

Barbara Glazer's illustrations first appeared in the 1978 Liber.



*Bill Sprackling
carries the ball
against Carlisle
in a 1910 game.*



100 years of Brown football

By Jay Barry

There were no milling throngs trying to buy tickets, no colorfully dressed marching bands to provide pre-game music and halftime skits, and no cheerleaders to stir up enthusiasm among the fans. In fact, there weren't many fans. The date was November 13, 1878, and Brown was playing its first collegiate football game against the Lord Jeffs of Amherst.

In the 100 years that have followed, the University has made some substantial contributions to the college game and, with the exception of dry spells in the mid-1930s and again in the 1960s and early 1970s, has compiled an overall record that is a good one. Over the last five years — since the arrival of John Anderson — Brown has one of the two best records in the Ivy League, including sharing an Ivy title and finishing second twice in the last three seasons.

Brown had the honor of playing in the first Rose Bowl game, meeting Washington State at Pasadena on January 1, 1916. A decade later the college fielded one of the most colorful and famous football teams of the Roaring Twenties, the undefeated Iron Men. The first black man to make Walter Camp's first-team All-American backfield was Fritz Pollard '19, still regarded as one of the

best halfbacks of all time. Brown also claims Bill Sprackling '12, one of the nation's few three-time All-Americans and a pioneer in the use of the forward pass.

When you look at the list of college football's greatest coaches, three Brown alumni rank high — John W. Heisman '91, the man for whom the annual Heisman Trophy is named; Wallace Wade '17, who played in the 1916 Rose Bowl with Brown and then posted a 171-49-10 record at Alabama and Duke while making five trips back to the Rose Bowl with those teams; and Joe Paterno '50 of Penn State, the man with the best record among the active coaches. Heisman and Wade are in the National Football Hall of Fame, along with three coaches who worked at Brown — Edward North Robinson '96, Tuss McLaughry, and Rip Engle.

The most exciting play in football today is the forward pass. One Brown man was largely responsible for bringing about the introduction of the pass and another alumnus was among the three players who did the most to make the pass a potent offensive weapon.

In 1905, after a series of serious injuries and deaths to players, President Theodore Roosevelt



Remember Sprackling, Pollard, McLaughry, Broda, Hall, Margarita, Savage, Engle, Paterno, Finney, Choquette?

threatened to abolish football unless the game was made safer for the players. Yale's Walter Camp, who controlled the Rules Committee at that time, opted for turning the game into rugby, which would have required that all football fields be widened considerably. This plan was shelved when it was realized that the recently completed Harvard Stadium, with the stands hugging the playing field so closely, could not be widened.

For some years John Heisman had been petitioning the Rules Committee for the introduction of the forward pass. With Teddy Roosevelt waving his big stick at them, and with hopes for changing the game to rugby now gone, Camp and his cohorts finally accepted Heisman's suggestion and put the pass on the books for the 1906 season.

Because of a 1940 movie suggesting that Knute Rockne and Gus Dorais suddenly "discovered" the pass when Notre Dame defeated Army, 35-13, at West Point in 1913, these two men often get the credit for showing the football world what the pass could do as an offensive weapon. Not so. The pass caught on slowly and didn't become an integral part of the offense at most colleges for many years, but there were three men who showed the football world what the pass could do

long before Rockne and Dorais stepped on that gridiron at West Point — Bradbury Robinson at St. Louis University, Frank Mount Pleasant at Carlisle, and Bill Sprackling at Brown.

Sprack, who came from Cleveland where the pass was used more widely than it was in the East, threw the ball with the same slingshot style used today. What's more, he used the pass as a basic part of Brown's offense and not as a last-ditch effort. He threw eleven touchdown passes in his career, which was a Brown record until the days of Frank Finney '58, and in 1910 he devastated a good Yale team, 21-0, by throwing for 180 yards, an unheard-of figure in that period.

For a college that later contributed so much to football, Brown certainly had a difficult time getting a team on the field for that first game in 1878. When Amherst wrote on October 13 proposing a game, Brown quickly accepted, although the Bruins had no team and no coach. These problems were solved on the afternoon of October 14 in the Hope College room of George Malcolm '79. An association was formed and Alfred U. Eddy '79 was elected captain, with specific instructions to whip a team into shape for November 13.

What we now know as the College Green was

**An Amherst
fraternity
brother took
Captain Eddy
for a ride**

turned into a football field overnight. Goal posts were erected at the north and south ends and practice was held there each afternoon. A week before the game, Captain Eddy realized that his new team had no uniforms. A local tailor named Smith agreed to do a rush job of fifteen uniforms, but when Eddy returned on November 11 to pick up the suits he found that Mr. Smith was a better than average business man. It was a case of no money, no uniforms. Since the Association had no treasury, Manager George Malcolm agreed to leave his gold watch and chain with Smith as security. Two days later Malcolm had the humbling experience of timing the Amherst game with a borrowed watch.

One of the first cases of football skullduggery took place at Amherst on November 13. It was generally known that Captain Eddy was one of the only players on the Brown team with any football experience. On the morning of the game, one of his Amherst fraternity brothers offered to show Eddy the countryside. "The carriage kept going further and further away from the campus," Eddy once told the *Providence Journal*. "Finally I insisted that we return to the campus and I arrived merely ten minutes before the game started, with barely time to put on my uniform."

Brown lost that game four goals and one touchdown to nothing. The *Providence Journal* carried just a three-line account of the action: "At Amherst, Mass., yesterday, the Amherst College foot-ball team beat the Brown University team in a well-contested game." The *Journal* did give extensive coverage to the completion of the Providence City Hall, a lecture by Henry Ward Beecher at the YMCA, and the fact that more U.S. troops were needed at the frontier to halt the Indian uprisings.

The Amherst game represented Brown's only defeat — and only game — in 1878. The College didn't have its first regular schedule until 1890, but by 1893 the Bruins had advanced to such a point as a football power that the team was ranked fifth in the nation behind the Big Four — Yale, Harvard, Princeton, and Penn. The team also ranked fifth in 1894 when it posted a 10-5 record (that's right — a fifteen-game schedule) and boasted the school's first set of touchdown twins, William Burr Hopkins and Charles D. Millard.

The faculty was very loyal to the athletic teams in those years. Prof. Wilfred Munro in his book, *The Old Back Campus*, tells of an incident when a professor was asked to give a make-up exam to a star athlete the morning of a big game. The make-up was given, the player reinstated, and the game won.

After it was over, a fellow member of the faculty said to this professor, "Well, you got our man through that exam all right." Rubbing his beard, Professor X replied: "Yes, but it was a mighty close shave. As you know, the man had to make an average of 50 on the make-up. I asked him one question and he answered it all wrong, so I gave



John D. Rocketteller, Jr. (in the derby) was the manager of the 1896 football team. Dave Fultz, whose 174 career points and thirty-one career touchdowns are still Brown records, is seated at left in the first row.

All-American Fritz Pollard (cradling ball, center) scores a touchdown in Brown's 21-0 win over Harvard in 1916.





him zero. I asked him another question and he said that he didn't know. That was certainly correct so I marked him 100 on that one. It just pulled him through."

Brown may not have had the best team in the country in 1896, but it did have the richest manager — John D. Rockefeller, Jr. '97. As manager, Johnny Rock was responsible for the schedule, and he arranged a game for Thanksgiving with the Carlisle Indians at New York's Manhattan Field. Of the 18,000 spectators, none was more enthusiastic that day than the manager's father, John D. Rockefeller, who stood in his box seat waving the Brown team on with a pair of banners.

The mother of one of the Brown players wasn't as enthusiastic about this game. Halfback John D. Gammons '98 recalled the incident some years ago:

"Before the Carlisle game I received a letter from my mother in New Bedford saying, 'You are going to play those *rough* Indians. Be careful. If you see any danger, get out of the way!' As we ran on the polo field the Indian rooters on the sidelines were singing, 'Goodbye Brownie, we're going to scalp you now.' Then on the first play of the game I had my nose broken and I began to wonder if that was the time when I should have followed my mother's advice."

Brown continued to have strong teams as college football moved into the twentieth century. The Bruins had a particularly tough group in 1905, a team coached by Edward North Robinson and featuring the immortal Gus Russ '06. Monday morning before the Harvard game, Robinson had a visit in his Boston law office from the Harvard coach, who asked if Brown would be good enough not to use any trick plays that might embarrass the Crimson that weekend. Such was the desire of all coaches to have a place on the Harvard schedule that Robinson reluctantly agreed. Wednesday morning the Harvard coach was back, this time demanding the Brown signals. "That time," Robinson later recalled, "I told him he was going too far."

Brown's President William H. P. Faunce had a vague interest in football. He also had poor eyes and was often deep in thought when walking the campus. The story is told of a Brown football player who was hobbling about on crutches in 1909. One day Dr. Faunce met him three times and stopped to sympathize with him on each occasion.

Brown and Carlisle had a fine rivalry going through the early years of the century, with the games being held at the Polo Grounds in New York City and at Brown's Andrews Field on Camp Street. The 1912 game was played in a driving snowstorm, which wasn't to the liking of the Indians, who had a sluggish first half. The late Charlie Huggins, son of Brown's trainer of that period recalls what happened at intermission.

"All the Indian players sat on the snow in a big circle at halftime and passed around a large jug

**The Iron Men
fought each
other at
practice, and
the opponent
on Saturday**

of homemade brew. The jug must have made the rounds at least four times. While this was going on, their coach, Pop Warner, gave the players a rousing talk about this being Jim Thorpe's last game for Carlisle. Spurred on by the liquor or the speech, or both, the Indians tore into Brown in the second half and won, 32-0."

Late in the 1915 season, Brown was locked in a scoreless tie with Yale but was in position for a field goal. Capt. Harold "Buzz" Andrews called time out and asked which of his players wanted to try the three-pointer. They all told the captain to include them out. So Andrews tried the kick from the Yale 15, the only field goal attempt of his career. The kick was successful, gave Brown a 3-0 victory, and led to the bid to play in the first Rose Bowl game.

Sitting around the Theta Delta house the Sunday morning after this game were Jack Hall, Mark Farnum, Josh Weeks, Clau Purdy, Spike Staff, and Andy Hillhouse. The late Jack Hall recalled the scene:

"It was scut session that week and freshmen had to knock. It was also the custom when someone knocked to yell, 'Drag it in.' Well, the boys were sitting around in various stages of dress, except for Purdy who was in his birthday suit. A knock came at the door. 'Drag it in,' was the reply. The door opened and there stood Prexy Faunce, with his big stovepipe hat on. The boys grabbed for their clothes and Purdy dove head first under his cot. But he was a big tella and the cots in those days were small. Several essential parts stuck out. The president had come by to congratulate the players on the victory over Yale. He never mentioned the scene that greeted his eyes. His eyes were so bad maybe he never saw the condition we were in."

Being an Eastern team, Brown was favored over Washington State in the Rose Bowl game. But the much lighter Bruins had to play the game on a muddy field, which slowed down the elusive Pollard, and the Cougars won, 14-0.

There were several racial incidents during the trip. One day Pollard came into the Pullman car and sat down with several of his teammates. The porter said that he couldn't serve the group but suggested that if Pollard sat at an empty table and his teammates, all white, joined *him* that would be all right. When the team arrived at the Hotel Raymond in California, the desk clerk said that the hotel would make suitable arrangements for Pollard to stay elsewhere. Only after the Brown group threatened to walk out was Pollard allowed to have a room in the hotel.

Brown won better than 65 percent of its games in the '20s. In 1925 the Bruins dedicated a new 25,000-seat stadium (since reduced in size by the elimination of wooden stands on the north side) with an all-home-game schedule. This was the last year for Coach Edward North Robinson, who was notified of his dismissal by the fac-

ulty committee on athletics the day before Christmas, not the most glorious moment in Brown football history.

The new coach was Tuss McLaughry, who had guided Amherst to several fine seasons and who, it was felt, would bring the "new" football to Brown. After several hush-hush meetings downtown and in the office of athletic director Frederick W. "Doc" Marvel in Lyman Gym, McLaughry agreed to accept the Brown offer. "My reasons for the move were that I was young, ambitious, not much concerned about security, and wanted the opportunity to coach against a major schedule," the late McLaughry told this writer a few years back. "It might not be inappropriate to say that just before I accepted the job, Doc Marvel advised me not to accept the offer. His reason was that he had lost control of the athletic program, that I would be at the mercy of the victory-hungry alumni, and my career might be jeopardized by the move."

McLaughry's first team was the undefeated Iron Men of 1926, a rough-tough group of athletes. The exploits of the Iron Men have been rather well documented down through the years and we won't dwell on their record here. Suffice it to say that the eleven starters were both talented and cocky. According to Capt. Hal Broda, the men would fight each other continually at practice, but when Saturday came they closed ranks and played as a unit.

The Iron Men had a habit of talking to the opposing players, getting them riled up. Against Dartmouth at Hanover the Iron Men opened up on the Big Green's star halfback, Eddie Dooley, when he entered the game late in the first period. Broda, Paul Hodge, and Orland Smith joined hands in daisy-chain fashion and danced toward the Dartmouth star, all the while singing a strictly improvised version of the song hit of the day, "Oh, Mr. Dooley-ooley-ooley." The referee came over to Captain Broda. "Captain," he said, "I'm going to give you an 'A' for the music and 15 yards for the lyrics."

In 1929, leading Holy Cross, 15-14, in a whirling snowstorm that covered Fitton Field, McLaughry told Francis Gurl to try to kill the few minutes left by running back and forth across the field, all the while retreating toward his own goal line. On his final run with just a few seconds to play, Gurl ran so deep that when he was tackled and brushed the snow away he found himself sitting on his own three yard line, just 108 inches away from a safety that would have given Holy Cross the game.

Brown had an opportunity to return to the Rose Bowl in 1932 after having gone through the first seven games of the season undefeated, beating previously undefeated opponents each weekend. All this Cinderella team had to do to get the bid was beat undefeated, untied, and unscored-upon Colgate Thanksgiving morning. The largest crowd in Brown history, 32,000, showed up for



*Jack Keefer scores
his final college
touchdown against
Colgate in 1925.*

this game, which was covered on radio by all three networks. After missing a touchdown by inches at the end of the first half, Brown lost, 21-0, to Andy Kerr's fine Colgate team.

It was no secret in 1932 that whenever Frank Gammino scored a touchdown his father gave him a \$100 bill. It was also no secret that whenever this happened young Gammino would take his teammates to the old Warren Hotel, owned by the Gamminos, and treat the men to the best food and drink in the house. "There were many times that year when we were inside the other team's ten yard line that Frank got the football," Capt. Bill Gilbane remembers. "He was a big burly runner who always had a good chance to score, but keep in mind it was the Depression and a good meal at a hotel was something we didn't get every day."

During the 1920s and 1930s, the Brown team made most of its trips to New York by boat. Everyone enjoyed these trips except trainer Jack McKinnon. He felt about boats then the way some people feel today about flying. Coming back from the Columbia game one year, the boat was being tossed around by a severe storm. When McKinnon didn't show up for the evening meal, Tuss McLaughry went searching for the popular trainer. He found him — in his cabin, on his knees, and with a rosary in his hands.

One of Tuss McLaughry's closest friends in the coaching profession was Columbia's Lou Little. Playing before 20,000 on a cold Thanksgiving morning in 1938, Brown ran up a 36-7 lead over the Lions on the blocking of John McLaughry and the running of Shine Hall (27 points), Tommy

Nash, and Johnny O'Leary. With twelve minutes to go, Tuss pulled his first team out of the game to avoid further embarrassment to his old friend. In those days, once a man came out of the game he couldn't return in the same period. Columbia's great passer, Sid Luckman, got hot against the Bruin subs and threw three touchdown passes in eight minutes to make it 36-27. It was fingernail-biting time at Brown Stadium, but the Bears hung on for the victory.

McLaughry left Brown after the 1940 season to become head coach at Dartmouth. His final team was a good one, going 6-3-1 and defeating Yale, Holy Cross, and Army on successive weekends.

When they talk about the magician of Brown football, alumni are referring to left end Bob Priestley. In 1941 Brown was leading URI, 7-0, in the final quarter but the Bears were giving ground against a relentless Ram attack that had brought the ball to the Brown ten. A touchdown seemed imminent. On the next play Priestley stole the ball from a Ram halfback and raced 90 yards for the insurance TD that won the game, 14-7.

One of the most prestigious football records at any college is the one for most yards gained rushing in one game. Brown's record has been on the books for close to forty years, ever since Bob Margarita (5'10", 170) rushed around and through Columbia for 233 yards at Baker Field in 1942, a performance Lou Little described as among the best he had ever seen.

Margarita's running mate had his big day a year later. Playing a strong wartime Coast Guard Academy team, Doc Savage came off the bench

late in the game with his team trailing, 31-20. He fired a 70-yard touchdown pass to Tommy Dorsey to close the gap. Then with about a minute left Savage returned a punt 70 yards for the winning score.

The Rip Engle years (1944-49) were among Brown's best. In reviewing those seasons a few summers ago, Engle selected three games that live in his memory.

One was in 1945 at Yale, a game Brown won, 20-7, in a major upset. Yale was going for its 500th victory that day, and the New Haven papers were so sure of success for the home team that several came out with early editions proclaiming Yale's 500th against the Bears.

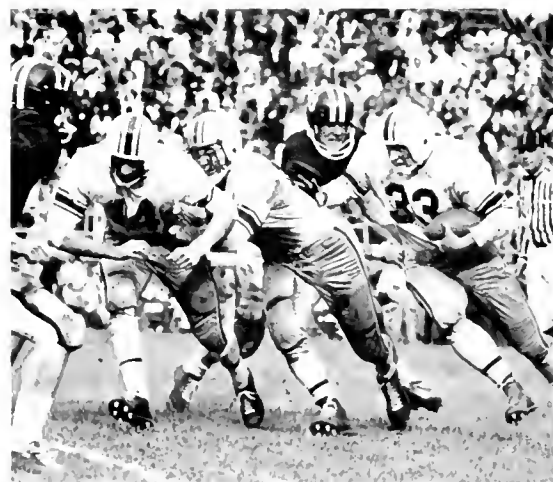
Then there was the Princeton game of 1948 in which the quick thinking of Joe Paterno set the stage for Joe Condon's field goal and a 23-20 victory. Seventy-two seconds remained when Princeton had to punt, and Paterno called for a fair catch at midfield to stop the clock. Two running plays and Condon's 39-yard field goal with six seconds left gave Brown one of its most cherished victories.

In Rip's last game at Brown, his 7-1 Bruins were trailing Colgate (1-7), 26-7, with seventeen minutes left. Then the powerful Bruin team woke up and completely devastated Colgate in those remaining minutes to win, 41-26.

There was one other day at New Haven that Rip likes to recall with some chagrin — the 20-14 victory over Yale in 1947, a game that was played under hurricane conditions. While standing near the locker room after the game accepting the congratulations of his many well-wishers, Rip was ripped-off by some person who managed to slap him on the back with one hand and lift his billfold with the other.

Al Kelley was head coach at Brown from 1951 through 1958 and turned out some fine teams. At Columbia in 1952 the players decided to have some fun with their coach, who could be quite serious at times. Four of them — Bill Klaess, Mike Reilly, Dave Zuconi, and Don DiCiccio — arrived at the locker room early to deposit their bags. Someone spotted a portable blackboard and the players proceeded to chalk in some highly derogatory comments about the Brown team, knowing that Kelley would spot it sooner or later and think the Columbia players were responsible. That's exactly what happened. Just before the team was ready to take the field, Kelley pulled the blackboard from the corner, prepared to diagram a play, and then spotted the anti-Brown remarks. He proceeded to use the written remarks as a means of juicing up the Brown players, most of whom had their heads buried in their helmets trying to hold back their laughter.

Al Kelley's final Brown team in 1958 was one of the school's best. It featured quarterback Frank Finney — fullback Paul Choquette, and center Don



Paul Choquette picks up yardage against Penn in 1958.

Warburton. In the last three games, victories over Cornell, Harvard, and Colgate, the team scored ten touchdowns: Finney ran for five and passed for the other five.

Shortly after this season ended, Provost Zene Bliss tried needling his good friend Paul Hodge of the Iron Men during lunch at the University Club. "Do you think your Iron Men could have beaten this great 1958 team?" Bliss asked. Hodge was quiet for a minute. "Yes," he said reflectively. "But it would have been close. Don't forget most of us are in our titties now!"

John McLaughry replaced Kelley as head coach in 1959, fresh from an outstanding record at Amherst where he was voted coach of the year in the East. McLaughry couldn't win at Brown, not because he suddenly forgot how to coach, but because the University hadn't yet made the commitment necessary to a winning football program against the tough Ivy competition. McLaughry's teams were called upon to face.

The 1961 season was particularly rough for the old grads, the team going 0-9. Alumni resorted to discussing the great teams and individuals of the past, prompting one alumnus to remark that it reminded him of a group of Tories sitting in their plush club in London talking about the great moments of Henry VIII or of Queen Elizabeth.

Len Jardine coached at Brown from 1967 through 1972, but the football picture didn't improve until John Anderson became head coach in 1973. He was suspect with the local press right from the start when he said that he wasn't thinking in terms of a rebuilding program. He planned to win right away. After his 4-3-1 season in 1973 he was suspect no longer. Now, after records of 5-4, 6-2-1, 8-1, and 7-2, Anderson has earned a reputation as one of the finest coaches in the country. His Bruins were second in the Ivy League in 1975 and 1977 and shared the title with Yale in 1976.

Anderson doesn't lend himself to anecdotes. But he does believe in setting goals. His goal for 1978? To help celebrate Brown's centennial season by bringing Brown another Ivy title.

**Al Kelley
'found' a way
to loosen up
his players
before the
Columbia game**

THE ASSOCIATED ALUMNI OF BROWN UNIVERSITY

surveys the year ahead and finds it full of promise for graduates and friends of Brown across the country. This is the fifth year that your October issue of the Brown Alumni Monthly carries important information on calendars and contacts.

The Calendar which follows is designed more to pique your interest and surprise you with the variety of University-related events than to give you a daily log book. Burgeoning schedules in many Club areas make it impossible to take more than a sampling of program plans. Similarly, space does not allow for details on Presidential Travel or the exciting and expanding Alumni Tours.

The brief Alumni Leadership Directory, also in this special section, allows you to follow through on your intention to be part of the Brown action in your community this year, by guiding you to the right contacts. Regional Directors of Associated Alumni, Club Presidents, and National Alumni Schools leaders all welcome your inquiries. If you are new in your city, if a Club mailing hasn't reached you, if you simply want to find out what it would be like to join a Club or recruit new students, the answers are as near as your phone. A few new Brown contacts could put some Red Letter Days on your fall and winter calendars. We want to hear from you, too. Why not keep in touch with

The Staff of Alumni Relations
Brown University Box 1859
Providence, Rhode Island 02912
(401) 863-3307

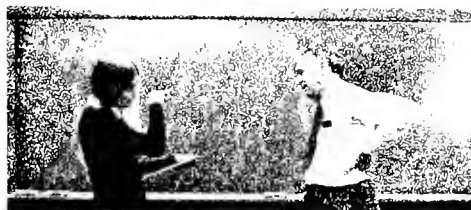
ON-CAMPUS EVENTS OF UNUSUAL INTEREST

OCTOBER

13-15

Fall Parents Weekend

Meetings with deans and the faculty, greetings from President Swearer, athletic events, time for shared fun. For more information contact William P. Kennedy, (401) 863-2474.



21, 28, November 4, 11

Continuing College Saturday Series

"Visual Arts Workshop," a series of workshops for a limited number of people interested in the visual arts, taught by Associate Professor Richard Fishman. \$50 per person. 9-11:30am.

For further information on any Continuing College offering, contact University Relations, (401) 863-2785.

22

Pembroke Club of Providence

Tea for Rhode Island women of all classes with particular recognition of graduates through 1930. 2:00 pm, Maddock Alumni Center. For information contact Nan Tracy '46, (401) 434-7666.

25

Young Alumni Luncheon Club

The third year of popular monthly luncheons opens with Prof. J. Giles Milhaven of Religious Studies. Noon. The Faculty Club, 1 Megee Street. \$3.50.

For further information on all Young Alumni events, contact Alumni Relations Office, (401) 863-3307 or Chairman Neil Kiely '74, (401) 247-0811.



25

The Brown Street Series

Associated Alumni presents "Floating Through Europe." Barging in on England or Touning on Thames are beautiful examples of how to float, not fight your way through Europe by cruising the inland waterways. Expert Stanley Kroll '55 tells how. Continental refreshments. 8:00 pm. Maddock Alumni Center. \$3.50.

For further information on all Brown Street Series programs, contact Connie Evrard, (401) 863-3307.

25, November 1, 8, 15

Continuing College Evening Series

"Africa: Conflict and Integration," an examination of the history and current concerns of various African regions, taught by four Brown faculty members. 8-9:45 pm. \$20 per person.

26-28

Under the Elms

Days of renewal and rediscovery devoted to classes, music, theatre, research, visits with students and faculty. For alumni and friends of Brown. By invitation.



28

Association of Class Secretaries and Class Presidents Annual Meeting

10:00 am to noon. Brown Club of Rhode Island Field House. For further information, contact Chns Love, (401) 863-3307.

30, November 6, 13, 20

Continuing College Evening Series

"Tutankhamun: A Journey into Ancient Splendor," a series of slide/lectures on the times of Pharaoh Tutankhamun and the treasures of his tomb, for those traveling to the New York Metropolitan Museum's exhibit or those interested in learning more about ancient Egypt. 8-9:45 pm. \$20 per person.



NOVEMBER

15

The Brown Street Series

"The Artful Doctor." Professors George Erikson, Leo Stern, and William Braden, along with Dean Stanley Aronson provide an evening to change your perception of the fine arts by sharing with you the unique discoveries that only a medical background can yield. Coffee and cordials. 7:30 pm. Maddock Alumni Center. \$3.00.

DECEMBER

7-9

Under the Elms



10

The Brown Street Series

"Christmas Magic." A holiday afternoon designed just for children over 9 and their parents. A magician, juggler, surprises, favors, and seasonal treats. 2:00 pm. Maddock Alumni Center. \$4.00.

11

The Brown Street Series

"Noel Nocturne." Opening night for an enchanted season. The sights, tastes, and sounds of the season and the famous Brown Street Punch. 8:00 pm. Maddock Alumni Center. \$3.50.



ON
THE
CLUB
CIRCUIT

OCTOBER

19

Brown University Club of Cape Cod

Luncheon meeting featuring Kirk Scharlenberg, Editorial writer for the Boston Globe. Noon. Mildred's Chowder House, Hyannis. For further information phone President James G. Buckley '42, (617) 398-8460.

22

Brown University Club of Westchester

Annual fall afternoon with the Faculty, featuring Prof. Stuart C. Sherman, Acting University Librarian, on whaling adventures. 4:30-7:00 pm. Home of Mr. and Mrs. Philip L. Winter, Larchmont.

25

Brown University Club of Boston, Inc.

Downtown Brown Luncheon Club. Stanley Kroll discusses "Floating through Europe." Site to be announced. Phone Rodger Smith. (617) 523-7483 days.

29

Brown University Club of Long Island

Afternoon with the Faculty. For further information contact Palmer Sealy, Jr. '58, (516) 626-0978.

NOVEMBER

1

Connecticut Valley Brown Club

Reliving the "Himalayan Adventure of Spring '78" with Prof. Tim Mutch. Cocktails, dinner, and lecture. For further information, contact President John A. Dillingham '50, (413) 562-2412.



1-2

National Alumni Schools Program of Chicago James H. Rogers, Director of Admissions; David J. Zucconi, Director of NASP; Wendy Yondorf, Admission Officer, present Brown to prospective students in Chicago and meet with area NASP workers. For information, contact Jeffrey G. Lass '65, (312) 726-8950.

2

Brown University Club of New Haven

Monthly luncheon at the Graduate Club, 155 Elm Street, New Haven. Noon luncheons from September through June for all area alumni/ae.

9

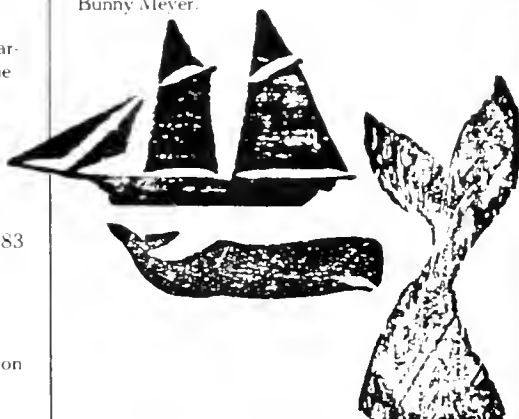
Brown University Club of Boston, Inc.

"Laser Magic," a double-feature event to educate and entertain Boston alumni. An illustrated show at the Museum of Science, cocktails and dinner. Speaker is Prof. Hendrik Gerretsen, Brown's own laser scientist. For further information, contact Leslie Bell, (617) 969-8336 or Susan DiMeo, (617) 547-3104.

13

Brown University Club of Miami

"Introduction to Brown Night" at the Museum of Science. High School students, parents, and alumni are invited. NASP Chairpersons: Jane Mallow and Bunny Meyer.



14

New Jersey Suburban Club

Tuesday Evening at the Metropolitan with a special look at the touring Dresden Exhibition. Dinner. Inquiries: President Becky Eckstein '60, (201) 376-2646.

18

Brown Club of New York City

Reception following Brown/Columbia football game. All alumni, parents, undergraduates are welcome. For information on site and cost, inquire at (212) 581-2707.

29

Pembroke Club of Providence

Annual Membership Dinner featuring "India Update" with Professors William Erney and Tim Mutch. Chancellors Dining Room. For further information contact Nan Tracy, (401) 434-7666.

DECEMBER

2

Brown University Club of Central New Jersey

Evening with the Faculty. 8:00 pm. Home of Mr. and Mrs. Gino Treves, 9 Adams Drive, Princeton. (609) 921-8595.

3

New Jersey Suburban Club

Afternoon with a Professor. 4:00 pm. Home of Mr. and Mrs. Leonard Glaser. (201) 273-1626.

4

Brown University Club of Tucson

Update on Brown, featuring John Lewis '64 of the University Development Office. The Officer's Club, Davis-Monthan Air Force Base. Contact President Richmond A. Day '31, (602) 299-1244.

9

Brown University Club of Boston, Inc.

Brown-Harvard hockey at Brown with afternoon campus tour and pre-game dinner at the Maddock Alumni Center. For information phone Peter Mackie, (617) 862-2893.

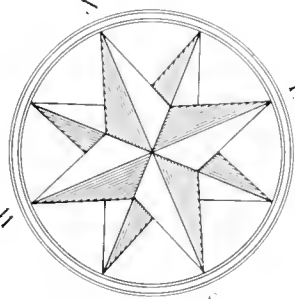


JANUARY

29

Brown University Clubs of New York, Westchester, Long Island, and Fairfield.

Afternoon tour of the King Tut Exhibit at the Metropolitan Museum of Art followed by receptions and lectures by Egyptologists at the Brown Club of New York or New York Yacht Club. Reservations limited to dues-paying members of the Clubs on a first come, first served basis.



BROWN TOURS PROGRAM

The Brown Travel Experience goes beyond the ordinary. Whether you choose an economical week abroad or a more luxurious Mediterranean cruise, you are assured of the assistance of an Alumni Relations staff member, advance newsletters with practical advice, lectures and company of a Brown professor with expertise in the countries visited, and the camaraderie of fellow Brown adventurers. All costs are approximate. Dates for later trips may change as circumstances warrant. Separate brochures announcing each tour may not be sent to the entire body of alumni, but all alumni are welcome on all tours. Why not call the Alumni Relations Office for more information? Calls are welcome any weekday at (401) 863-3307.

NOVEMBER 19-26 — A tour of the Irish Countryside (Faculty to be announced). \$353.85.

NOVEMBER 29- DECEMBER 7 — Sicily with Professor William Wyatt. \$406.69.

DECEMBER 26-JANUARY 2 — Dakar, Senegal with Professors Anani Dzidzienyo and Newell Stultz. \$399.

JANUARY 28-FEBRUARY 4 — Martinique with Professor Rene Balance. \$399 + 15%.

MARCH 13-27 — Israel and Egypt with Egyptologist Florence Friedman and a Brown faculty member to be announced. \$989.

MARCH 24- APRIL 1 — Southern France and Monte Carlo with Professors Frank and Laura Durand. \$399 + 15%.

APRIL 19-MAY 3 — France for Artists with Jan Swearer. \$1699.

JUNE 7-22 — Stockholm and Copenhagen with Professor Trygg Engen. \$699 + 15%.

JULY 17-31 — Western Mediterranean Air/Sea Cruise with Professors John Rowe Workman and Henry Kucera. \$2000.



STUDENT-ALUMNI HAPPENINGS

The Student Alumni Relations Committee (SARC) chaired by A. Barry Merkin '57, with staff direction by Ann Holmes Redding '76, plans an outstanding collection of events at Brown and in the field. Here are some sample programs. For additional information, contact Ms. Redding at Box 1859, Brown University or (401) 863-3307.

OCTOBER

14

Host Family Program Dinner

The Student Alumni Relations Committee sponsors a dinner specially designed for freshmen whose families are not attending Parents Weekend.



18

"Sisters"

Undergraduate women meet with local alumnae this month and in November, February, March, April on a variety of common interests and concerns.

24-26

Career Nights

Alumni/ae and friends of Brown representing a variety of professions and vocations describe their fields to upperclassmen. Evenings. Maddock Alumni Center.

30

Externships Deadline

Applications due from students seeking externships in April, 1979.

31

Sophomore Hallowe'en Party

The spooks which have made this a recent undergraduate tradition return once again.

NOVEMBER

1

Career Night



10-12

Inman Page Celebration

Sherry hour, Saturday Career Forums, and unveiling of commissioned portrait of Inman Page are among the events celebrating 100 years of black alumni at Brown. All alumni attending Homecoming are invited to participate.



23

Thanksgiving Dinners

Dinners for campus-bound undergraduates in homes of Rhode Island alumni.

DECEMBER

9

Career Workshop on the world of business

Watch for campus announcements on time and site.

11

Student-Alumni Relations Committee Christmas Party

JANUARY

19

Reception for all January graduates
Maddock Alumni Center.



In the past year and a half, President and Mrs. Howard Swearer have met with alumni in 21 different cities. This year they continue to make new friends in the extended Brown family in 16 states. The Brown Club of Fairfield County led off the year by hosting the Swearers at brunch on September 24. On that same date Fairfield alumni teamed with Westchesterites to honor them at dinner. New Jersey alumni did the same on October 6 at Mountain Ridge Country Club, West Caldwell.

If you live in the areas listed, look for an invitation to meet our first family.

NOVEMBER 17 — Albany, Schenectady, Troy, N.Y. and Pittsfield, Mass. **20** — Baltimore.

DECEMBER 11 — Cleveland, **12** — Detroit, **13** — Indianapolis, **14** — Cincinnati.

JANUARY 17 — Dallas, **19** — San Diego.

FEBRUARY 27 — **MARCH 3** — Florida.

MARCH 10 — Tucson, **11** — Phoenix.

APRIL 2 — Minneapolis/St. Paul, **4** — Denver, **5** — Seattle, **6** — Portland.

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James D. Brown '54
5 Crystal Drive

Great Neck, NY 11021

Bernard V. Buonanno, Jr. '60
Old Fox Chemical, Inc.

66 Valley Street
East Providence, RI 02914

Tristram D. Coffin '62
31 Olympia Avenue

Woburn, MA 01801

Dennis M. Coleman '76
Edwards & Angell

2700 Hospital Trust Tower
Providence, RI 02903

George H. Connell, Jr. '66
Glass, Shaeffer & Cornell

1380 W. Paces Ferry Road, NW

Atlanta, GA 30327

James S. Coukos '55
5799 Sunset Lane
Indianapolis, IN 46208

Richmond A. Day '31
4757 Brisa Del Sur

Tucson, AZ 85718

Leslie B. Disharoon '54
2 Chittenden Lane

Owings Mills, MD 21117

Norman B. Dodge '35
24526 Choke Cherry Lane

Golden, CO 80401

Diane Scula Downes '59
20 Thomas Street

Barrington, RI 02806

William E. Dyer '63
37 Muirfield Lane

St. Louis, MO 63141

Joyce Wetherald Fairchild '47
666 Angell Street

Providence, RI 02906

Christine Dunlap Farnham '48
955 Lexington Avenue

New York, NY 10021

Robert A. Fearon '51
Robert Fearon Associates, Ltd.

16 West 61st Street
New York, NY 10028

Mattias I. Fern '55
210 Chestnut Avenue

Roslyn, NY 11576

Dean Ernest S. Frenchs '58
Graduate School

Brown University
Stuart S. Golding '39

Stuart S. Golding Company
842 Country Side Mall

Clearwater, FL 33515

Ann McGeeney Hartv '53
1060 Stanford Road

Pittsburgh, PA 15205

John B. Henderson '46
Texton Inc.

40 Westminster Street
Providence, RI 02903

Lacy B. Herrmann '50
Whaling Road

Salem Straits
Darien, CT 06820

Dennis A. Holt '65
15 Windsor Road

Wellesley Hills, MA 02181

A. Thomas Levin Esq. '64
95 Bulson Road

Rockville Centre, NY 11570

David C. Lewis, M.D. '57
39 Byfield Road

Waban, MA 02168

Jeffrey G. Lass '65
Lass and Magnum

308 South LaSalle Street
Chicago, IL 60604

Will Mackenzie '60
13109 Chandler Boulevard

Van Nuys, CA 91401

Paul L. Maddock '33
250 So. County Road

Palm Beach, FL 33480

Neil R. Markson '66
35 North Branch Road
Concord, MA 01742

John F. Mastroianni, Jr. '71
1509 South Post Oak Lane, Apt. 5A

Houston, TX 77056

Ruth Gadbois Matarazzo '48
1934 S.W. Vista Avenue

Portland, OR 97201

Teresa Gagnon Mellone '39
101 Rumstick Road

Barrington, RI 02806

A. Barry Merkin '57
76 Ridgecrest Road

Stanford, CT 06903

Ann S. Morris '79
Box 4268

Brown University
William A. Phillips '50

1130 Old Academy Road
Fairfield, CT 06430

Deborah Karp Polonsky '58
16 Spring Valley Drive

Worcester, MA 01609

Leonard C. Ranalli '48
11 Adelphi Avenue

Providence, RI 02906

Jeanne Bourgeault Riley '61
Sharon Drive

Coxentry, RI 02816

William D. Rogers '52
1112 Park Avenue

New York, NY 10029

Robert P. Sanchez '58
Quaker Ridge

Greenwich, CT 06830

Stephanie Shimkus Sanzone '67
26 West Hill Drive

West Hartford, CT 06119

John M. Sapinsky '42
25 Cooke Street

Providence, RI 02906

Kimberly A. Scala '76
300 Pine Rock Avenue, Apt. A16

Hamden, CT 06514

Nancy C. Scull '63
240 Brattle Street, Apt. 42

Cambridge, MA 02138

Ralph H. Seibert '50
N.E. Security Insurance Agency

100 North Main Street
Mansfield, MA 02048

Philip A. Solomita '65
2857 Misty Morning Road

Torrance, CA 90505

Elizabeth Charles Suvani '66
106 Plum Beach Road

Saunderstown, RI 02874

David L. Taylor '66
5442 Mercedes

Dallas, TX 75206

Prof. Wallace H. Terry II '59
3511 Macomb Street N.W.

Washington, DC 20008

Phyllis Van Horn Tillinghast '51
45 East 72nd Street, Apt. 11A

New York, NY 10021

Clotilde Sonnino Treves '49
9 Adams Drive
Princeton, NJ 08540

Sanford W. Udis, M.D. '41
9 Courtney Street, Apt. 10

Fall River, MA 02720

R. Victoria Buchanan Ward '63
11 Fairview Road

Scarsdale, NY 10583

Margery Goddard Whiteman '62
68 Willett Street

Albany, NY 12210

Phyllis Baldwin Young '45
24 Howell Avenue

Larchmont, NY 10538

Joseph D. Zamore '66
Guren, Merritt, Sogg & Cohen

650 Terminal Tower
Cleveland, OH 44113

Morris R. Zucker '57
542 Hartford Court

South Orange, NJ 07077

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Phoenix

A. Inman Marshall, Jr. '40
5404 East Palo Verde Drive

Paradise Valley, AZ 85253

Tucson

Richmond A. Day '31
4757 Brisa Del Sur

Tucson, AZ 85718



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Phyllis Reynolds Manley '49
712 East California Blvd.,

Pasadena, CA 91106

San Diego

David N. Nissenberg '61
Nissenberg & Nissenberg

7855 Ivanhoe Ave., Suite 224
La Jolla, CA 92037

San Francisco

Peter F. Keating '66
Blyth, Eastman, Dillon & Co., Inc.

555 California St.
San Francisco, CA 94104

Santa Clara Valley
Robert O. Meader '23

7235 Soquel Drive
Aptos, CA 95003

COLORADO

Richard F. Mauro '67
1810 Union Drive

Lakewood, CO 80215

**BITE
'EM
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A. Thomas Levin Esq. '64
Rockville Centre, NY

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Great Neck, NY

Pennsylvania, New Jersey, Delaware

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Princeton, NJ

Ann McGeeney Hartv '54
Pittsburgh, PA

DC, Maryland, Virginia, West Virginia, North Carolina, South Carolina

Leslie B. Disharoon '54
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Florida, Georgia, Alabama, Mississippi, Tennessee

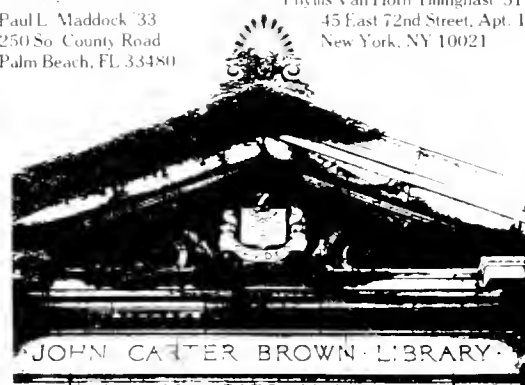
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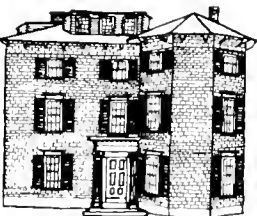
Willard Yeats '62
Aetna Life Ins. Co.
151 Farmington Ave.,
Hartford, CT 06115

Fairfield County

Lacy B. Herrmann '50
Whaling Road
Salem Straits
Darien, CT 06820

New Haven

Donald S. Baillie '70
967 Wolf Hill Road
Cheshire, CT 06410



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Chevy Chase, MD 20015

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Malcolm L. Mackenzie '51
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Merrimack Valley

Arthur M. Dallan '52
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21 Phillips Drive
Swampscott, MA 01907

South Shore

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Worcester

John Reiser '60
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Patricia Heagney Carlson '65
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Lackawanna-Essex

Becky Hill Eckstein '60
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Short Hills, NJ 07078

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William A. Wescott '56
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Rumson, NJ 07760

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Ridgewood, NJ 07450

N.J. State Council

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Princeton, NJ 08540

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West Amherst, NY 14228
David C. Laub '60
81 Middlesex Road
Buffalo, NY 14216



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Northeastern

Richard Wallace '63
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Troy, NY 12180

Rochester

Ann Chmielewski Swicgood '60
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Rochester, NY 14625

David DeLuca '64
306 Barrington Street
Rochester, NY 14607

Westchester

Sarah Levitt Winter '45
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Larchmont, NY 10538

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Cincinnati, OH 45208

Cleveland

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Jeanne Bourgeault Riley '61
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Newport County

Barbara Oberhard Epstein '48
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Newport, RI 02840

Pembroke Club of Providence

Teresa Gagnon Mellone '39
101 Rumstick Road
Barrington, RI 02806

Rhode Island Brown Club

Louis Regine '48
110 Olney Street
North Providence, RI 02911

South County

Theodore F. Dane '49
RFD, Tower Hill Road
Wakefield, RI 02879

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Dr. Clark F. Corliss '52
(Alumni Contact)
Dept. of Anatomy, Univ. of TN
Memphis, TN 38103

Dr. Sidney A. Cohn '51

(Alumni Contact)
Dept. of Anatomy, Univ. of TN
Memphis, TN 38103

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Dr. Robert I. Kramer '54
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Dallas, TX 75230

Houston

Richard M. Hardy '61
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Houston, TX 77090

WASHINGTON

Seattle

William Alpert '72
(Alumni Contact)
2312 Third Avenue
Seattle, WA 98121

WISCONSIN

David C. Scott, Jr. '69
720 E. Beaumont Avenue
Whitefish Bay, WI 53217

National Alumni Schools Program

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Albany, NY 12210

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111 Temple Road
Concord, MA 01742

RI, CT

Diane Lake Northrop '54
56 Olde Wood Road
Glastonbury, CT 06033

NY

Judy Kewskin Greenfield '56
539 Oakhurst Road
Mamaroneck, NY 10543

NJ, PA, DE, PR

Marvin Wilenzik '57
18 Fairfield Avenue
Doylestown, PA 18901

DC, MD, VA, WV, NC, SC

Lisa D. Holden '75
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Washington, DC 20017

GA, FL, AL, MS, TN

Terry Walsh '65
Alston Miller & Gaines
1200 Citizens & Southern
Bank Bldg.
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KY, OH, IN, MI

James H. Stoehr '51
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4785 Eastern Avenue
Cincinnati, OH 45226

IA, WI, MN, ND, SD, MT

Duncan MacMillan '53
Cargill, Inc. Dept. 28
Minneapolis, MN 55402

IL, MO, KS, NB

Daniel A. Cummings, III '72
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Chicago, IL 60614

LA, AR, OK, TX

James L. Whitcomb '36
5313 Pine Forest Road
Houston, TX 77027

CO, WY, ID, UT, AZ, NM, NV

Kilgore Macfarlane, Jr. '23
6942 F. Exeter Blvd.
Scottsdale, AZ 85252

CA, OR, WA, HI, AL

John Nickoll '57
821 No. Whittier Dr.
Beverly Hills, CA 90210

Foreign (inc. Canada)

Vickie Buchanan Ward '63
11 Fairview Road
Scarsdale, NY 10583

From the University

Walter F. Massey
Dean of the College

James H. Rogers

Director of Admission

Alan P. Maynard

Director of Financial Aid

Robert A. Reichley

Vice-President

University Relations

David J. Zucconi

Director of National Alumni

Schools Program

The Classes

written by Janice ...

22 *Elsie Flint Neuner* (Ph.D.) was honored last spring by the New Rochelle (N.Y.) high school class of 1928 at its 50th reunion. She came to New Rochelle to teach in 1922 and stayed for thirty-eight years, teaching junior high and high school math and science and serving as elementary science supervisor, principal of the Barnard School, and finally as director of instruction in the city. Still active in New Rochelle, Mrs. Neuner is conservation chairwoman of the Women's Club and a member of the New Rochelle Chapter, DAR. She and her husband, John, live in the Chester Heights section of Mount Vernon.

23 One further note about our 55th in June. During our class meeting the men of 1923 voted to elect President Swearer an honorary member of the class.

George Decker writes that he and *Elsie* have sold their summer home at Green Mountain, N.C., and now live in their permanent residence at 2600 S.E. Ocean Blvd., Stuart, Fla. 33494.

Herbert M. Hartford, Southbury, Conn. writes that he retired from the University of Rhode Island in June 1970, after thirty-six years on both faculty and administration.

Steve McClellan reports that his blood is getting so thin that he has decided to buy one, maybe two, rugs. "I understand that they are better collector's items than women," he says, "since they cost appreciably less and don't say a word when one steps on them."

25 *Stanley D. Culver* was honored last spring by the Springfield Newspapers' 25-Year Club, Springfield, Mass. He retired fourteen years ago after thirty years as a reporter and copy editor with the *Springfield Daily News*.

Barbara P. McCarthy, Wellesley, Mass., is the second recipient of the Barlow-Beach Award, which was instituted last year by the Classical Association of New England. An engraved silver bowl was presented to her at the annual meeting of the society at Trinity College, Hartford, Conn. The citation made reference to Barbara's "impressive list of publications," to the series of Greek plays which she had established at Wellesley, and to her "inspired and highly imaginative teaching." Since her retirement, Barbara has taught at Holy Cross, Brandeis, and the Open College of Pine Manor. At present, she is giving two courses in ancient Greek at her home and teaching Greek tragedy in translation in the Lifetime Learning Program of the town of Wellesley.

Elizabeth Simpson McCormick recently presented a research paper at the annual meeting of the American Orthopsychiatric Association. The paper detailed the results of the follow-up of short-term psychotherapy at the Rhode Island Hospital Psychiatric Clinic.

26 Our 52nd reunion was celebrated jointly "by the boys and girls" of '26 on Friday afternoon, June 2, with cocktails in Littlefield Lounge on the campus.

Emory B. Danzell, Medford Lakes, N.J., is serving on the town planning board, the board of education, and the athletic association. In addition, he spends a great deal of time working with fifth- and sixth-grade

boys on the town's outdoor basketball courts.

Edwin K. Geddes, Stoneham, Mass., is serving as a lecturer and consultant in several phases of school and church work. He is the retired dean of Gordon College.

Charles A. MacCausland, although now retired, is very much occupied with the volunteer work he does with senior citizens in the fields of rehabilitation, transportation, and hospital services in his home town of South Bend, Ind.

J. Winford Nagle and his wife, Emily, recently celebrated their 50th wedding anniversary. Win still sings in the University Glee Club.

Betty Fuller Reid once again opened her summer home in Louisette, Mass., to members of the class during reunion weekend. This year twenty-three members arrived on June 4, some driving in from Cape Cod, Newport, Brockton, and Concord. "We felt that this was a good turnout for a class fifty-two years out," Secretary *Hope Borden* says.

27 *William J. Kraemer* writes that he retired from Childs Chevrolet, Oldsmobile-Cadillac, Inc., as consultant on Feb. 1 and three days later married Mrs. Sylvia E. Moss of Bel Air, Md. "Have moved to Florida and built a home at 135 Mundella Circle S.W., Port Charlotte 33592," he adds. "Were ready for occupancy June 1."

29 *Eric Wendelin* and his wife have returned to Santa Barbara, Calif., from a six-month trip to Europe, during which they visited countries from Scandinavia to the Mediterranean, spending three winter months in Spain and Portugal.

30 *Henry Adams* is a reading consultant in South Windsor, Conn. He has three daughters, a granddaughter, and three grandsons. There are nine Brown graduates in Henry's family.

Howard Hall, now retired, spends his time woodworking and gardening. His address: P.O. Box 34, Pomfret Center, Conn. 06259.

Henry Nelson, Groton, Conn., has retired from teaching and is active as an author, poet, and artist. His listing in *Who's Who in the East 1975-76* contains a long and very impressive list of professional accomplishments in both the arts and humanitarian fields.

31 *Dr. James Q. Atkinson*, Medford Lakes, N.J., has been elected treasurer of the New Jersey Academy of Family Physicians. He is a former president of the Burlington County Heart Association and secretary of the Burlington County Medical Society. Dr. Atkinson also has served as president of the New Jersey Academy of Family Physicians.

Galen B. Hall, an attorney, has his office at 20 Northfield Ave., West Orange, N.J.

Dr. Morris Malakoff, Laredo, Texas, is president of the Obstetrical Associates of Laredo.

Foster Sheldon will retire this fall after forty-six years as town clerk and deputy clerk in South Kingstown, R.I.

32 Dr. Joseph E. Cannon, Rhode Island's director of health, has been presented the Hiscock Award, the highest honor of the New England Public Health Association. The award is granted on the basis of "contributions with a marked impact on public health in New England." Dr. Cannon was the first president of the Public Health Association in 1965.

Dr. Manuel M. Pearson, senior attending psychiatrist at the Institute of Pennsylvania Hospital, Philadelphia, and professor of clinical psychiatry at the University of Pennsylvania, was the recipient of the 1978 Earl D. Bond Award for excellence in teaching, presented by the department of psychiatry of the University of Pennsylvania School of Medicine.

33 Ruth Gagen has retired from her position with the U.S. Department of Health, Education and Welfare in Boston and now lives at 35 Glades Blvd., Apt. #3, Naples, Fla. 33942.

Dorothy Hanson Hughes and her husband, J. McCall Hughes, now live in St. Croix, U.S. Virgin Islands. Their address: Box 2749, Christiansted, St. Croix.

Winifred M. O'Hara is retired at 1410 Fountain View #121, Houston, Texas 77057.

Rosa Rieser Schlossbach, Scarborough, N.Y., a grandmother of five, is teaching kindergarten and also teaches English to Puerto Ricans.

Lucia Steere Stich writes to express regrets at missing our reunion. Unfortunately, the 45th conflicted with her move to Colorado.

34 Robert L. Lowenthal reports a new address: Box 40041, Midtown Plaza Station, Rochester, N.Y.

Nicholas M. Voci, Brockton, Mass., writes that he has retired as a mechanical engineer with United Engineers and Contractors, Inc., Boston, after twenty-eight years with the firm. "Am working as an engineering consultant on a part-time basis," he adds.

35 Dr. John J. Bookman, New York City, is president of the New York Diabetes Association and co-chief of the Diabetes Service, Mount Sinai Medical Center, New York City.

36 Robert H. Ensign, Great Barrington, Mass., a former industrial designer, is manager of Bookend Apartments, where he lives.

Sidney L. Larson sends along a new address: 825 Pontiac Ave., Apt. #18104, Cranston, R.I. 02910.

37 Charles Evans Hughes, New York City, has been installed as president of the New York Chapter of the American Institute of Architects.

Dick Scott, who has been editing and producing various trade magazines since World War II, has retired from Merkle Press outside of Washington, D.C., after fifteen years with the firm. He is now managing editor of *Guide to the Arts*, the monthly fine arts magazine of radio station WGMS AM/FM, known as Washington's "good music" station.

38 Frank Licht, former governor of Rhode Island, has been elected a vice president of the Rhode Island Philharmonic.

William R. Michael and his wife, Phyllis Haydock Michael '39, had a showing at Eastbourne Gallery, Bowen's Wharf, Newport, R.I., during the month of June. Bill showed photographs and Phyllis exhibited photo transfer monoprints.

39 Lindsay H. Caldwell is vice president of Computer Design Publishing Co., Littleton, Mass.

Phyllis Haydock Michael and her husband, Bill '38, had a showing at Eastbourne Gallery, Bowen's Wharf, Newport, R.I., during the month of June. Phyllis showed photo transfer monoprints and Bill showed photographs.

A. Claire Harrington Mullen received her master's degree in education from the University of Vermont in May. She lives in Burlington.

Eldon S. Sizer, now retired, lives at 20 Manners Ave., Seymour, Conn. 06483.

40 Floyd T. Gould, a research scientist, is director of research and development at Magnex Corp., Oklahoma City, Okla.

42 Donald H. McClelland is an economist at the Agency for International Development, State Department, Washington, D.C.

John H. Stone retired May 31 as vice president-operations for Youngstown Sheet & Tube Co., Youngstown, Ohio, concluding a thirty-year career at the firm. He and his wife, Olive, live in Poland, Ohio.

43 Carol Carlisle, media specialist at the Bloomfield Middle School, has been named vice president of the Connecticut Educational Media Association.

Lina Fitzgerald Wagner, Simsbury, Conn., is president of the State Federated Garden Clubs of Connecticut. "I also serve," she writes, "on the board of directors of the National Council of State Garden Clubs and am on the board of trustees of the Health Systems Agency."

44 David M. Tracy, Westfield, N.Y., is president of the Fieldcrest Division of Fieldcrest Mills, Inc. He is serving as vice president and chairman of the board of advisors of Stonehill College. He and his wife, Patricia, have two children, Maureen, a graduate of the University of Arizona, and Shawn, who majored in business administration at Stonehill.

45 Richard B. Pretat, owner of Woods & Pretat Appliance Co., Providence, has been elected president of the Rhode Island Philharmonic.

46 Morris A. Stout III has taken early retirement after thirty years with Sun Oil Company (Sunmark) in sales and real estate in order to become a sales counselor with Hugh I. Gerhardt Co., Homes for Living Real Estate Co., Glenside, Pa.

47 Dr. David M. Collins, Rahway, N.J., has been appointed senior associate medical director of Schering Laboratories Medical Research in Kenilworth, N.J. He and Jeanette have a daughter. Albert R. Dow, C.P.C.U., has joined Thomas E. Sears, Boston, as a vice president. Richard H. Hauck, Darien, Conn., has received his master's in business administration from the University of Connecticut.

Marleah Hammond Strominger served five years on the national steering committee of the National Alumni Schools Program. She lives in St. Louis, Mo.

48 George F. Anderson, dean of the College of Engineering and director of research at Southeastern Massachusetts University, is working with the U.S. Department of Energy in Washington, D.C., on a year's leave of absence. He is collaborating with government scientists on the development of complex integrated systems for energy conservation.

John T. Nowell, Rehoboth, Mass., has been elected a corporator of the Union Savings Bank, Fall River. He is an engineer with Robinson, Green & Baretta Corp., Providence.

49 Robert E. Adams, a mechanical engineer, is vice president of Greerco Corp., Hudson, N.H.

Harry I. Odell, now retired from the Foreign Service of the United States, has become the executive director of the American Swiss Association in New York City.

50 Henry C. Barksdale is president of Moss Brown & Co., an outdoor running gear catalogue company and store in Washington, D.C.

James W. Brett, an architectural photographer, is working out of his home in Tucson, Ariz.

Zach Mortogon, managing director of Time, Inc.'s Books and Arts Associates, is serving as project director of "The Search for Alexander," a multi-media project about Alexander the Great, sponsored jointly by Time and the Greek government. The project will include a series of six one-hour films to be produced by Time-Lite Films, a major international exhibition of outstanding artifacts from the age of Alexander, and a book based on the film series.

George Soter writes that he is putting his twenty-three years of experience in data processing to application with the State Labor Department in Connecticut as a member of the Governor's Committee for the Employment of the Handicapped. After graduation George served as an officer with the Marines in Korea, earned his M.B.A. from the Harvard Business School, and then joined Sperry Univac, where he became assistant to the president and general manager. "My old Marine Corps nerve disorders renewed themselves recently, and now I have been diagnosed as a multiple sclerosis case. Fortunately I can still walk but a wheel chair will probably be in the near future." His address: 692 Prospect St., Wethersfield, Conn. 06109.

51 Daniel Gerald Donovan, Greenwich Conn., has been named to the board of trustees of Mary Baldwin College in Staunton, Va.

Gabriel Kojan has been selected as an exchange scientist under the program jointly sponsored by the U.S. National Academy of Sciences and the Soviet Academy of Sciences.

Astrid B. Kopp, A.M., a member of the foreign languages department at Moravian College since 1964, has received a Ph.D. degree from Rutgers University and has been promoted to associate professor of Spanish and French.

52 R. Tyler Day is market development director with Vick International-Latin America-Lat East. He lives in Ridgefield, Conn.

Irwin H. Fishbein, director of the Rabbinic Center for Research and Counseling, Westfield, N.J., has received the doctor of ministry degree from the department of clinical psychology at Andover Newton Theological School. Irwin is a fellow of the American Association of Pastoral Counselors, a full member of the American Group Psychotherapy Association, and a clinical member of the American Association of Marriage and Family Counselors.

Sandra Flood is a distribution analyst with Atlantic Richfield Co., Los Angeles.

53 Ruth Hesselthaler Teacart is a member of the technical staff at Bell Laboratories, Holmdel, N.J.

Everett C. Sammartino, Providence, has been an assistant U.S. attorney for the past nine years, during which time he has handled a great deal of civil litigation involving the federal government in Rhode Island. He defended the government in the Charles-town Navy Base case involving the proposed sale of former Navy land to the Narragansett Electric Company for a nuclear power plant. In another case, Everett represented the government in a class action suit filed by a University of Rhode Island professor who charged that his mail and the mail of many others was opened illegally by the CIA.

54 Lewis M. Gedman is president of the newly formed marketing research and consulting firm, The Gedman Research Group, Stamford, Conn.

Dr. William R. Gott is chief of neuropsychology at the VA Hospital, West Haven, Conn., where he and his associates are conducting research on the electrical function of the brain in man and lower primates. In addition to serving as chief of the laboratory at the VA Hospital, Dr. Gott is an associate professor in the department of neurology, Yale University School of Medicine, and in the department of psychology, Yale Graduate School of Arts and Sciences.

55 Judy Karelitz, New York City, has produced a new polarized light multiple called Chromatic Duet, a limited edition polarized light sculpture which is signed and numbered. The edition size is 125. Chromatic Duet and the Karelitz Kaleidoscope, an earlier edition of polarized light sculpture, can be seen in New York City at the Denise Rene Gallery, 6 West 57th St.

Between January and July 30, Judy participated in an exhibition at the Huntsville Museum of Art, Huntsville, Ala., called "Art of the Space Era."

1st Col. James E. Pendergast has received, for the second time, the Meritorious Service Medal at Wright-Patterson AFB, Ohio, where he serves as a computer systems staff officer with a unit of the Air Force Logistics Command.

56 George J. Caffrey, East Bratford, Conn., has joined the Commercial Investment Division of Beazley Co., Realtors, one of the largest brokerages in the Northeast. George is a member of the Screen Actors Guild and the American Federation of Radio and Television Actors. He is the former owner of Caffrey's Restaurant in New York City.

Claude B. Goulet is author of *How to Be a Happy and Successful Investor* (Exposition Press, Hicksville, N.Y., \$4). "This little book is not meant to be a stock market primer," the Cranston, R.I., resident says. "Rather, the purpose is to share with others some of the most important concepts, ideas, and facts pertaining to the stock market, while still retaining the personal touch." One of Claude's basic rules is that it is almost impossible consistently to outperform the stock market.

Russ Kingman, senior vice president of the Cape Cod Bank & Trust Co., Dennis, Mass., has been serving as a selectman in the community.

James R. Page has been appointed district manager Southeast affiliate relations of the CBS Television Network, New York City.

Nancy Pollock Stairs writes that her daughter Sara entered Brown this fall as a member of the class of 1982. Sara is the third generation to attend Brown. She is the granddaughter of Human 1, Pollock 30 and Jane Olson Pollock 31. Nancy lives in Newton, Mass., with her husband Edward and daughter Emily. In

Hilton M. Weiss, professor of chemistry at Bard College (N.Y.), will serve as a research fellow in chemistry at Harvard while on sabbatical this academic year.

57 Bob Gratton has joined the Office of Naval Research in Arlington, Va., as a computer scientist in the mathematical and information science division. He is managing a contract research program in software engineering. Bob and his wife, Carolyn, live in Fairfax, Va., with their two sons, Geoffrey, 7, and Benjamin, 2.

Nicholas Pappas (Ph.D.) has been named general manager of the fabrics and finishes department of the DuPont Co. in Hacksack, N.J.

William W. Van Loan sends along a new address in Japan, 19-27 Akasaka 6-chome, Minato-ku, Tokyo 108.

58 Dr. Carl Aronson is assistant professor of pharmacology in the department of animal biology at the School of Veterinary Medicine, University of Pennsylvania. He also serves as head of the pharmacology and toxicology laboratories at the same school. He and his wife and two daughters live in Springfield, Pa.

Comdr. Dennis J. Fish, USN, is executive

(continued on page 42)

Got a question? Judy Cohen probably has the answer

If you want to know how many Japanese live in Boston, or what black women in Roxbury spend on clothes, or how to trace a great-great-uncle who settled in New Haven in 1788* — call Judith Weiss Cohen '44, '48 A.M. (617-223-0668). Judy can tell you, because since February 1976 she has worked as the Data User Services Officer for the Census Bureau's Northeast region, an area encompassing all New England and most of New York state.

Judy is one of twelve such officers in the U.S. — one for each federal region — and it is her job to make available the tremendous amount of data collected by the Census Bureau to anyone with a question, or a research project, or a marketing study, or a grant application. Not only does the Census Bureau conduct the familiar and fairly well-publicized decennial census of housing and population, she says, but it also conducts economic censuses every five years (years ending in 2 or 7) which include figures on retail and wholesale trade, on service industries, on transportation, manufacturing, and mineral industries, a five-year census on agriculture, and surveys on construction, foreign trade, income and education, purchases and ownership, current population, employment, and numerous other categories. "Year in, year out, we publish ten surveys every working day," Judy says. "Very few people understand the enormous scope of what we collect. It was time to get out and tell people what we have so it could be used."

When Judy began work almost three years ago, she was only the third "DUSO" in the country. Before she started answering the phone, calls were shunted to Washington or put on hold until the director could get around to them. Now Judy logs some 600 calls a month, and those must fit into twenty working days, the rest of the time she is off running workshops for librarians in New York or manning a booth in Rochester at a conference of the Small Business Association ("How to Profit by Using Census Facts") or advising regional planning commissions or a high school student with a term paper due — all on the use of census data.

When Judy Weiss left Brown in 1944 — an English major, Phi Beta Kappa, magna

* 645 as of the 1970 census; check the 1977 survey of retail trade; consult the schedule of the 1790 census.



John Forasté

Judy Cohen: Some callers are trying to settle bets.

cum laude — she went to New York to get a writing job. After five months as assistant editor of *The Service Woman*, a newspaper for women in the Armed Forces, she joined the WACs and worked on an Army newspaper for two years. She returned to Brown on the GI Bill, married Aaron Cohen '48, and completed a master's degree in political science while pregnant with her first child. Judy and her family settled in Pawtucket — Aaron is vice president for production at Cadillac Textiles in Cumberland; the children came to number three — and she was active in the League of Women Voters and worked part-time reading and correcting English papers at Bryant College.

"That got me back in the swing of work," she says. "Then I read a notice in the paper that Pawtucket had applied for anti-poverty funds — they were doing research on poverty in Pawtucket — so I sent off a letter and then went in for an interview" and was hired.

In ninety days she researched and wrote a 110-page report on poverty in Pawtucket and, somehow, they never let her go. Judy eventually became financial director of the Blackstone Valley Community Action program. She wrote a stack of grant applications, at one point brought a million dollars of federal funds into the Blackstone Valley, and stayed for eight years.

Then, when cutbacks had to be made as federal funds began to dry up, Judy left to become the director of administrative departments of the Jewish Community Center of Rhode Island. She worked there for three years and then joined the Census Bureau.

In addition to her travels to publicize the uses of census data and to answering the phone, Judy writes a monthly report for the Bureau to serve as "feedback." "The most common question we get is about race and

ethnic origin," she says. "Many people, particularly with the economic statistics, don't know they exist. They didn't know they could look up retail sales." Judy got one call, for instance, from a woman who wanted to open a dress shop in Roxbury. What do black women spend on clothes? she asked. "I was able to help her with figures to make a presentation to a bank," Judy says.

Judy receives "a lot" of calls from people tracing their ancestors — "I had practically none until after 'Roots' " — and a fair number from people tracing themselves. The Census Bureau can help someone obtain proof of his age if he does not possess a birth certificate, she explains. "We can do a search if someone knows where he lived in a given census year and show that he was a certain age in a certain census year. That can be used for Social Security, etc."

Judy stresses that census records are strictly confidential. Names and addresses are placed in separate files with separate codes. "President Nixon tried to get census data and couldn't," she says. "During World War II the Secretary of War asked for data on all Japanese-Americans and the Bureau refused to release it. That was upheld in court."

Judy gets calls from people trying to settle bets — "What is the population at this exact minute?" — and from people contemplating a move — "Where are the taxes lowest?" "My colleague in Denver got a call from a woman who said she was sick and tired of going to singles bars and wanted to know what area of Denver had the most single men. Two weeks later this same woman called to say she wanted to move to the suburbs and to ask which suburb had the most single men."

Judy gets most pleasure from helping people get the information they need and she is often able to arrange alliances between those who come to her for help. "In Albany, on my very first visit to that city," she recounts, "I visited one agency and learned about their work. Then I went down the street and talked with someone else who was engaged in a very laborious project that would have taken them several months to complete, and I had just learned that the first agency had that same data on file — and the others didn't know about it! One block away!" In fact, had someone in Judy's position been around when Judy was writing grant applications for the Blackstone Valley Community Action programs, she could have used her.

The telephone rings.

"Census Bureau, Judith Cohen."

She talks briefly, her hand instinctively reaching for a pad on which to log this call. "Yes . . . no problem." Judy Cohen hangs up and smiles. "That was a big data question. My daughter wants to know it I'll make the train."

And in New York City, call Jeffrey Hall

Interestingly, amazingly, improbably (it doesn't figure), another of the Census Bureau's twelve Data User Services Officers and the most recently hired is a Brown alumnus — Jeffrey Hall '71. His territory is New York City and he started work in June.

For four years preceding his move to New York, Jeff had worked as a writer/editor on the Census Bureau's statistical compendia staff in Washington, D.C. There he helped to produce the 1976 edition of the *Directory of Federal Statistics for Local Areas* — the first out in ten years — and edited *Data User News* for six months. "Everything I worked on was a general information publication," Jeff says, "and it was almost ideally designed to train me for this job." Jeff tired of "waiting for Judy to retire" — he wanted to return to New England — so he took the next closest position, in New York City.

"I have a compact, coherent region — essentially New York City itself. There's a lot of interest in ethnic groups and in neighborhoods," he says. "We're doing a dress rehearsal for the 1980 census in the SoHo area. People living in artists' lofts may be harder to find than someone in an average suburban neighborhood. I'm hoping to teach a couple of workshops on how to find information on your neighborhood and how to find information on your ethnic group."

Jeff came to Brown from West Virginia and pursued an honors program in religious studies. After graduation (cum laude) he went to graduate school at Yale for two and a half years in the department of religious studies and left without a degree. "I was able to convince the Census Bureau," Jeff says of his next job, "that if you can write theology, you can write anything."

So far Jeff has worked with the coalition of Northeast governors to compile a regional economic profile and with a variety of community groups and local agencies. "There's considerable ego gratification in being able to help people find answers to questions that they really want answers to," he adds. "And put this in. I want to be the best dulcimer player on Manhattan's West Side." D.S.

director of the contracts group at the Naval Air Systems Command, Washington, D.C.

Lanny Newell has resigned as president of the First National Bank & Trust Company of Naples, Fla., and is working in Merrill Lynch, Pierce, Fenner & Smith's new office in Naples.

The Rev. James S. Coulter (A.M.), retired minister of the Friendship Methodist Church, Providence, received the honorary degree of doctor of divinity at the 78th Commencement at Burlington College this year. Since 1976 he has been associate director for planned giving for the Robert Schuller Televangelism Assn., Garden Grove, Calif. He and his wife, Irma, live in Riverside, R.I.

59 Lois Wolpert Graboy is co-director of New England Art Advisory Services, a firm that assembles permanent art collections for individuals and corporations. She lives in Barrington, R.I.

W. Paul Hagenau sends along a new address: 3307 Grandview Ave., Louisville, Ky.

Donald M. Jacobs has been promoted to professor of history at Northeastern University. "Have started working on a U.S. history textbook and am continuing to index materials dealing with American slavery, a volume that should be useful to researchers in the field," he writes.

60 Paul Canon (Ph.D.), professor of electrical engineering at Southern Massachusetts University, received SMU's Alumni Personal Achievement Award last May. He has been chairman of the electrical engineering department of the university and is a member and officer of the Institute of Electronic and Electrical Engineers, the primary professional association in his field. In addition to his achievements in education, he has developed various devices for the National Aeronautics and Space Administration, the Navy, and a number of private research corporations.

Clark Coolidge, poet, has been awarded a National Foundation in the Arts fellowship grant in creative writing. He lives in New Lebanon, N.Y.

Michael K. Evans is president of Chase Econometrics Associates of Philadelphia.

Robert Eckerman is an instructor in chemistry and physics at Devon Preparatory School in suburban Philadelphia.

Caroline King Hall, a member of the English faculty at Louisiana State University, taught at the University of Salzburg during the summer while her husband, John, played in a master cello group.

Walter S. Jones has been named acting university provost at Northeastern University, Boston. He is the Edward W. Brooke Professor of Political Science at Northeastern. Walter has been associate university provost since 1977 and, prior to that, was acting dean of the College of Liberal Arts.

York A. King is living at 500 Gulph Rd., Wayne, Pa. 19087.

Clark Mayo, associate professor of English at California State College, has been appointed department chairman. His critical study, *Karl Vonnegut: The Gospel From Outer Space (or, Yes We Have No X-Men)*, was published in October 1977 by The Borgo Press.

Douglas B. Smith has been appointed to the newly created position of director of

marketing for the Lilly Division of Owens-Illinois, Inc., Toledo, Ohio.

Ted Turner, owner of the Atlanta Braves baseball team of the National League, was in the news again this summer. A year ago he sailed *Courageous* to a successful defense of the America's Cup. This past summer he stirred the "waters" again by halting the practice of giving out free food and drink at his ball park to the local press. Surprisingly, the move was supported by the national press. Roger Kahn of the *New York Times* said, "With both guts and good sense, Turner has toppled one important and damaging institution—Media, advertising, and baseball man. Turner has cancelled the traditional free food and drink at the ball park for the local writers. This practice can work toward a paternalistic chumminess that is antithetical to good reporting. At this moment, I don't know if Ted Turner can assemble a winning team in the land of the Lancasters. Whatever, Ted is the first man in power to set up proper ground rules for coverage of baseball at the ball park."

61 Comdr. Roger W. Barnett, USN, is commanding officer of the USS *Buchanan*, a guided missile destroyer. He received his Ph.D. in international relations from the University of Southern California in 1977. He and his wife, Sandra Mason Barnett, live in San Diego.

Richard A. Cosimone is national account manager at the IBM Office Products Division, Newton, Mass.

John Escher and his wife, Susan Caumont Escher (RISD '74), are houseparents for ten retarded young adults in Yellow Spring, W. Va.

Thomas N. Gardner has been promoted to manager-materials product engineering with the Technical Products Division of Corning Glass Works, Corning, N.Y.

Curtis H. Hahn is owner of radio station WDFW, Westfield, Mass.

Donald D. Hook (Ph.D.) has been promoted to professor of modern languages at Trinity College, Hartford, Conn. He has written four books on the German language in addition to a popular history, *Madmen of History*, in 1976. He is chairman of the department.

Peggy Goddard Leeson is president of the Alumnae Association of Wheeler School in Providence.

David L. Meister, who had been director of broadcasting in the Office of the Commissioner of Baseball, has been appointed director of sports for Home Box Office, New York City. He is responsible there for the planning, acquisition, negotiation, and production of all sports programming.

62 Gerda Sanders Dymyszka has been director of the child care center at the Rochester Institute of Technology since 1962, watching it grow from a small nursery to a complete day-care center. Her husband, Richard (Harvard '60, Cornell '66), is an urban planner, and their children are Jessica, 15, Lisa, 13, and Andrea, 11.

David T. Frank is in the textile importing and sales business in New York City.

J. Joseph Frankel is assistant general counsel of the Prudential Insurance Company of America. He was elected mayor of Eaton-

town, N.J., in 1974 after serving four years on the town council of the community of 18,000 people. His wife, Sue, teaches the learning disabled. Their children are Steven, 9, and Lynn, 9.

Marilyn Jenkins, New York City, reports that she has just received her Ph.D. from the Institute of Fine Arts, New York University.

Maj. Robert G. Murphy has been selected for assignment in the Combat Communications Group at Tinker AFB, Okla. "Will be trading an office in the headquarters for a tent in the field," he writes.

Eugenia Wieschoff Pitts does part-time free-lance accounting and volunteer work for Planned Parenthood in Fair Haven, N.J. Her husband, Edward, is manager of contract administration for Engelhard Industries. Eberly is 11 and Barton is 9.

Kenneth Walker, a New York City architect, is active in landmark preservation. His current project is restoring a 1907 building for a major New York bank.

Thomas H. Wilson is senior vice president and manager of the national department of Mercantile National Bank, Dallas, Texas. He and his wife, Dixie, have three children: Leslie, 12, Chris, 10, and Todd, 7. Tom recently visited with two classmates, Carl Hally in Columbus, Ohio, and Bruce Gordon in Dallas.

63 Brian L. Bigney is senior vice president California of Financial Associates of New York City.

Ann M. W. Caspersen, chairman of the board of Beneficial Corp., Wilmington, Del., has been elected to the board of trustees of the Committee for Economic Development.

Robert A. DeLorenzo is project engineering manager—general projects, of the Washington Public Power Supply System, Richland, Wash.

Jeannette Williams Kelay and her husband, Elliott, report the birth of a daughter, Sara Beth Lew-Smith, in October 1977. Sam is now 5. The family lives in White Plains, N.Y.

Robert Osborn Phillips and his wife, Adriana, of Greenwich, Conn., report the birth of a daughter, Christiana, on May 25.

James M. Seed has been named a senior vice president of Industrial National Bank of Providence. Jim lives in East Greenwich, R.I., with his wife and three children.

64 Albert E. Booth, Wilton, Conn., has been named manager-real estate finance operation for the General Electric Credit Corp. Al previously had been in charge of marine leasing and financing, and under his direction, GFCC became the largest owner of U.S. flag oil tankers.

Warren E. George has joined the San Francisco law firm of McCutchen, Doyle, Brown & Enersen.

Yuan-Sung Pan (Ph.D.) has joined the U.S. Department of Energy's Pittsburgh Energy Research Center.

Emid Rhodes Peschel is the editor of *French Symbolist Poetry*, a collection of essays and translations published last spring at Southern Illinois University as Vol. 6, No. 1 of the literary journal, *The Sou'wester*. The volume contains essays by some of the country's foremost French scholars, as well as fourteen of Emid's new translations. She lives in North Haven, Conn., with her husband, Dr. Richard E. Peschel, a resident in radiation

therapy at Yale, and their three-year-old daughter, Colette.

Larry Rand is senior vice president and principal of the New York corporate communications firm, Kekst & Co. He is serving as a vice president and a director of the National ALS (amyotrophic lateral sclerosis) Foundation.

June Richardson has been promoted to head of the Division of Library Development, Connecticut State Library System.

Allen M. Ward, a member of the history department at the University of Connecticut, is author of *Marcus Crassus and the Late Roman Empire* (University of Missouri Press, 1977).

65 Dr. John B. Anderson is practicing obstetrics and gynecology at 1340 Penn Ave., Wyomissing, Pa.

Phyllis Bruskin and Larry Bausher were married June 18 at the Grassy Hill Country Club, Orange, Conn., and are living in Orange. A social worker, Phyllis is a coordinator in the Therapeutic Foster Care Program, Meriden, Conn.

James Conrad Brod and Christine Casady Brod (see '68), report the birth of their third child, Adam Christopher, on June 10, 1977. Amy and Mark turned 6 and 4, respectively, in March. The Brods live in Boulder, Colo., where Jim is controller of Arapahoe Chemicals, Inc.

Paul F. Hammond is vice president-sales of Alltransport, Inc., Ridgefield, Conn., a major U.S. international ocean and air freight forwarder with offices throughout the U.S. Alltransport is an affiliate of the worldwide Danzas forwarding organization.

William G. Hooks, Dallas, Texas, has been elected vice president of Home Box Office, the nation's largest pay TV network. He is general manager of the pay cable programming service's central region. He and Elaine have two children, David, 4, and Lisa, 3.

Jeffrey C. Liss, a partner in the Chicago law firm of Liss & Mangum, has been elected to the assembly of the Illinois State Bar Assn.

Dr. Suzanne Love is an emergency room physician at the General Hospital of Virginia Beach, Va.

Judith Paul, who holds a master's degree in art history from the University of Chicago, is owner of Images Studio, Northfield, Ill.

Richard Perry had his first one-person show of art work at the Green Mountain Gallery in Manhattan's SoHo district this spring. He has been living in a loft on the lower East Side of New York City for the past nine years, supporting himself first as an attorney for a Park Avenue law firm and, more recently, by making jewelry. "Broke but very happy," he writes.

Larry A. Retallick (A.M.), a six-year veteran of the Urban League of Cleveland, has been named its new deputy director in charge of programming.

Bill Sproul and his wife, Peggy Clark Sproul (see '67), report the arrival in June 1977 of a son, Timothy William, 5. Becky is 7. Bill is a research engineer at Borg-Warner Corp., Des Plaines, Ill.

William H. Sudell, Jr., and his wife, Christine Hardy Sudell (see '68), report the birth of their second child, Pamela Hardy, on April 12. Their first child, Andrea, is now 3. Bill is a partner in the law firm of Morris, Nichols, Arsht & Tunnell, Wilmington, Del.

continued on page 48

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Dakar, Martinique, Sicily, Paris, Stockholm — these are just a few of the unexpected places that Brown men and women will be visiting in the ninth exciting season of the Brown Tours Program. Josiah Carberry himself can't decide whether to join alumni on a cruise to Western Mediterranean ports or meet with the group exploring the breathtaking sites in Cairo and Jerusalem.

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1978

IRELAND

Boston
Departure

\$353.85

Your 8-day, 7-night tour includes:

- Round-trip airfare from Boston to Dublin, Ireland
- Continental breakfast and limited sightseeing in major cities
- Dinner and lecture with Professor William Wyatt (Classics) in Dublin
- Dinner and lecture with Professor Ernest Frerichs (Religious Studies) in Dublin
- Dinner and lecture with Professor John Rowe Workman (Classics) in Dublin
- Dinner and lecture with Professor Henry Kucera (Slavic Languages) in Dublin
- Dinner and lecture with Professor Frank and Laura Durand (Romance Languages) in Dublin
- Dinner and lecture with Professor Newell Stultz (Political Science) in Dublin
- Dinner and lecture with Professor Trygg Engen (Psychology) in Dublin

November 29-
December 7
1978

* Sicily *

New York
Departure

\$406.69

Your 8-day, 7-night tour includes:

- Airfare, meals, and transportation provided by Professor William Wyatt (Brown's Classics Department)
- Round-trip airfare from New York to Palermo, Sicily via Trans-Atlantic Airlines with complimentary food and beverages served en route
- Seven-night resort hotel accommodations at the Hotel Taormina Mare, Taormina Mare
- Continental breakfast daily
- Day sightseeing tour of Palermo
- Trip to the ruins of Himera, Segesta, Selinus, Erice, and Trapani
- A Sicilian pasta dinner
- All round-trip transfers and luggage handling from airport to hotel
- All gratuities for bellmen, chambermaids, and doormen

December 26, 1978-
January 2
1979

DAKAR

Boston
Departure

\$399.00

inclusive
per person double occupancy
single supplement \$99.00

Your 8-day, 7-night tour includes:

- Academic enrichment provided by Professors Anani Dzidzienyo of Brown's Afro-American Studies Department and Newell Stultz, Political Science
- Round trip DC-10 jumbo jet transportation via Trans International Airlines with complimentary food and beverages served aloft
- Seven nights first-class hotel accommodations in the N'Gor resort area of Dakar
- City sightseeing tour of Dakar
- Low-cost optional tours to Jufure, of *Roots* fame, Banjul, Capital of Gambia, Goree Island, St. Louis, and excursions to inland bush villages
- All trip transfers and luggage handling from airport to hotel
- All gratuities to bellmen, chambermaids, and doormen

January 28-
February 4
1979

MARTINIQUE

Boston
Departure

\$399.00

plus 15% tax and service
per person double occupancy
single supplement \$99.00

Your 8-day, 7-night tour includes:

- Academic enrichment provided by Professor Rene Belance of Brown's French Department
- Round trip jet transportation via a certified supplemental carrier with complimentary meals and beverages served aloft
- Hotel accommodations for seven nights at the Frantel Martinique Hotel or its equivalent
- Welcoming cocktail party
- Trans National hospitality desk
- Low-cost optional tours to the Grenadine Islands, the Island of Dominica, a banana plantation, and more
- All gratuities to bellmen, chambermaids, and doormen

March 13-27
1979

EGYPT-Israel

\$989.00

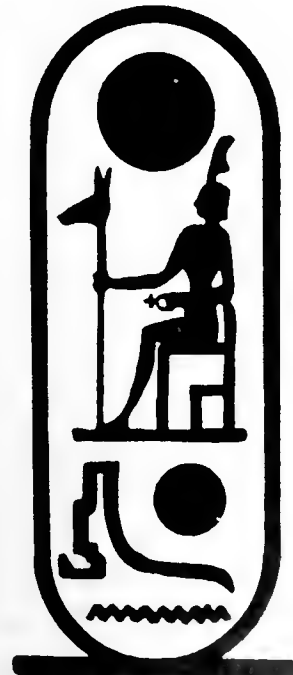
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per person double
occupancy
single supplement \$70-\$135

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Also from Pittsburgh (\$999), Washington D.C. (\$1043), Miami (\$1048), Detroit (\$1095), Chicago (\$1116), Los Angeles (\$1174), San Francisco (\$1174)

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- Seven nights deluxe accommodations at the Mena House Oberoi in Cairo and seven nights at either the Hotel Sinai in Tel Aviv or Hotel Orgi in Jerusalem
- Continental breakfast daily
- City sightseeing tour of Giza Pyramids and Sphinx in Cairo and Tel Aviv and Jerusalem in Israel
- Overnight optional tours in Egypt to Luxor, Valley of the Kings, and optional day tours to Sakkara, Memphis and Alexandria and in Israel to Haifa, Tiberias, Masada, the Dead Sea, Bethlehem, and Nazareth
- All round trip transfers and luggage handling from airport to hotel
- All departure taxes, U.S., Israeli, and Egyptian
- All gratuities to bellmen, chambermaids, and doormen



March 24 -
April 1
1979

Monte Carlo

Boston
Departure

\$399.00

Lowest fare in service
plus a \$100.00 occupancy
supplement \$100.00

Your 8-day, 7-night tour includes:

- Round-trip airfare from Boston to Paris via Hahnemann International Airport and French Department
- Round-trip transportation to and from the airport with a complimentary car and driver
- Hotel accommodations in Paris for 7 nights in the center of the city
- Breakfast and dinner for 7 nights between the airport and the hotel
- Dinner at the Maitland party
- Dinner at the Maitland party
- Dinner at the Maitland party
- Dinner at the Maitland party
- Dinner at the Maitland party
- Dinner at the Maitland party
- Dinner at the Maitland party

April 19-
May 3
1979

CÉZANNE

An Artist's
Tour from Paris
to Southern France

\$1699.00

Boston
Departure

Lowest fare in service
plus a \$100.00 occupancy
supplement \$100.00

Your 15-day, 14-night tour includes:

- Round-trip airfare from Boston to Paris via Hahnemann International Airport and French Department
- Round-trip transportation to and from the airport with a complimentary car and driver
- Hotel accommodations in Paris for 14 nights in the center of the city
- Breakfast and dinner for 14 nights between the airport and the hotel
- Dinner at the Maitland party
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June 7-22
1979

SCANDINAVIA

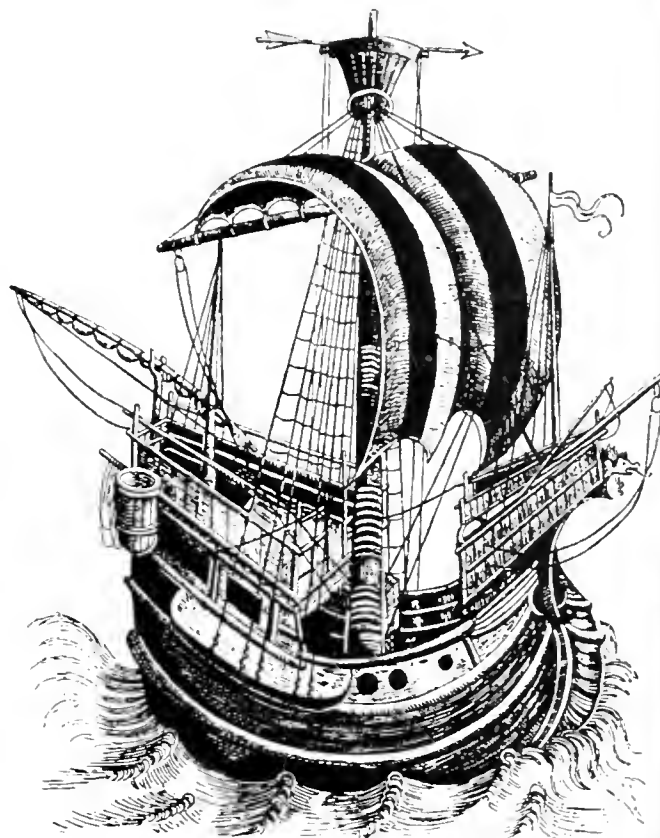
A Copenhagen
and Stockholm
Holiday

\$699.00 Boston Departure

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supplement \$100.00

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- Round-trip transportation to and from the airport with a complimentary car and driver
- Hotel accommodations in Copenhagen for 15 nights in the center of the city
- Breakfast and dinner for 15 nights between the airport and the hotel
- Dinner at the Maitland party
- Dinner at the Maitland party
- Dinner at the Maitland party
- Dinner at the Maitland party
- Dinner at the Maitland party
- Dinner at the Maitland party
- Dinner at the Maitland party
- Dinner at the Maitland party



July 17-31
1979

Western Mediterranean

Air Sea
Cruise

New York Departure

\$2000.00

(approximate price)

Your 15-day, 14-night cruise includes:

- Academic enrichment provided by Professors John Rowe-Workman, Classics, and Henry Kucera, Slavic Languages
- Round trip air transportation via Air France regularly-scheduled Boeing 747 jets
- Hotel accommodations for three nights at the Hotel Menden in Nice and three nights at the Danieli Royal Excelsior in Venice, with full American breakfasts
- A seven-day Mediterranean cruise aboard the luxurious Stella Maris with ports of call in Portofino, Costa Smeralda, Tunis, Malta, Olympia, Corfu, and Dubrovnik
- All meals on the cruise including full American breakfasts, lunch, dinner, plus mid-morning bouillon, afternoon tea and midnight buffet
- A welcome cocktail party at the Hotel Menden in Nice
- Sightseeing tours of Nice and Venice
- Round trip transfers and luggage handling between airports, hotels and piers
- All taxes, including embarkation and airport departure taxes

General Information: Deposits are accepted on a first-come, first-served basis as space is limited! Final payment is due 60 days prior to departure. If reservations are made less than 60 days prior to departure, final payment is due immediately. New bookings are accepted any time prior to departure providing space is available. Reservations may not be considered confirmed until deposits are acknowledged. Information will be sent to you four to six weeks after your deposit is received. Cancellation without penalty will be permitted if written request is received 60 days before departure. Cancellations after 60 days will be subject to an administrative charge of \$25.00 per person and there will also be a charge for the pro rata air fare unless replacement is made from a waiting list; however, the availability of such replacement is not guaranteed. An Air Fare Refunder Policy is available and an application will be sent to you 4 to 6 weeks after your deposit is received. Refunds resulting from cancellations may take 4 to 6 weeks to process. Applicable government regulations require that air/land costs are quoted and that the air cost is subject to revision based on the actual number of participants; however, only the complete air/land package(s) described in this brochure is available. Price subject to change for currency fluctuation, any taxes imposed since the price of this trip has been set and applicable government regulations. Trips are based on a minimum of 40 participants. Participation in this trip is limited to those persons who, for six months preceding departure, have been members of the organization whose name appears on the front cover of this folder, such members' husbands and wives, dependent children and parents living in their households.

Responsibility: Brown University and/or its agents act as agent only for all services furnished herein and expressly disclaim all responsibility or liability of any nature whatsoever for loss, damage or injury to property or to person due to any cause whatsoever occurring during the tour or tours described herein and for loss of trip time resulting from airline delays and reserve the right to cancel the entire trip (or any optional side trips offered in connection with the trip) for any reason at any time before the departure of the trip in which event the liability, if any, shall be limited to and liquidated by refunding to each prospective participant the monies, if any, theretofore received for such person's trip which monies have not been or should not be otherwise refunded to him. All tickets, coupons and orders are issued subject to the foregoing and to any and all terms and conditions under which the means of transportation and/or other services provided thereby are offered and/or supplied by the owners, contractors or public carrier for whom International Weekends, Great Destinations, Travel Dynamics Inc., Conlin-Dodds Travel Ltd., and Trans National Travel, act solely as agents. The right is reserved to change any part of the itinerary, hotels or the air carrier or the aircraft utilized without notice and for any reason. Due to the fuel situation, the airlines anticipate the possibility of price increases for fuel. Therefore, the trip price is subject to increase based on any surcharge levied by the airlines resulting from increased fuel costs.

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- ☐ Ireland ☐ Martinique ☐ Cezanne
☐ Sicily ☐ Egypt-Israel ☐ Scandinavia
☐ Dakar ☐ Monte Carlo ☐ Western Mediterranean

☐ Please send me further information as it becomes available on the trips checked.

Name _____ (Last, first, middle initial)

Address _____

City _____ State _____ Zip _____

Phone (Home) _____ (Business) _____
AREA CODE AREA CODE

Name(s) of accompanying passenger(s) _____

- ☐ I am a Brown alumnus ☐ I am a relative of a Brown alumnus
☐ I am not ☐ I am not

Suggestions for 1979-1980 Brown Tours Program _____

Mail reservation form to

Brown Tours Program Alumni Relations Office Brown University Box 1859 Providence Rhode Island 02912

66 Charles H. Blood, Jr. is assistant vice president and portfolio manager in the institutional asset management department of Marine Midland Bank, New York City. Charlie was a speaker at a 1977 meeting of the Institute for Quantitative Research in Finance.

G. Scott Briggs and his wife, Karen Henry Briggs (see '68), announce the birth of their second child, Richard Clark Briggs, June 1. Scott is a partner in the law firm of Evans and Briggs in Colorado Springs. He was recently elected president of the Colorado Springs Downtown Lions Club and was the club delegate to the International Lions Convention in Tokyo this June.

Roger W. Freise, Fairfax, Va., is a pilot with American Airlines.

James B. Jamieson (Ph.D.), vice president of Pitzer College (Claremont, Calif.) since 1968, is serving as acting president this academic year. Jim is also a professor of political studies at Pitzer and professor of government at Claremont Graduate School. He and his wife and two children live in Claremont.

Adele Nwachukwu is head of the department of electronic engineering at the Institute of Management and Technology in Enugu, Nigeria. In addition to administrative duties, he is a principal lecturer in electronics and communications.

Linda Bedrick Schreiber, Greenwich, Conn., on July 12 became the first woman to sign for this year's New York City Marathon, which will be held this month.

67 George D. Armiger is vice president-corporate development of Wylain, Inc., New York City.

James W. Fanning writes that his wife, Mary, gave birth to their second child and second son, Liam Thomas, on Dec. 21. The other boy is James Daniel. "This update still finds the Fannings firmly ensconced in Newburgh, Ind., along the Ohio," he writes.

Robert R. Gaudreau, East Providence, has been elected second vice president of the Brown Hockey Association.

Susan Salms-Moss, a resident of Munster, West Germany, reports the birth of a daughter, Rebecca Sarah Salms, on June 26, 1977. "Have signed a contract with the Stadtheater Theater in Hof for the coming season," she writes, "and I will be singing the lead soprano roles in *Haus La Traviata*, *Viola Mama*, and my first operetta, *Das land des Lachels*."

C. Stewart Goddin writes that he spent six years in Europe, the last four in Paris as special assistant to the executive director of the International Energy Agency. "Finally returned on Aug. 1 to resume duties as an international economist with the Office of the Assistant Secretary for International Affairs, U.S. Treasury Department."

George D. Parker has been promoted to associate professor of mathematics at Southern Illinois University. At SIU since 1972, George is finishing his second book, which will be published in early 1979.

Charles Primus reports that he has been named director of Notre Dame's Center for the Study of Judaism and Christianity in Antiquity.

David E. Speltz, Hardwick, Vt., has been

named vice president of Copley Hospital, moving up from his position of chief financial director.

Peggy Clark Sproud and her husband, Bill (see '65), report the arrival of a son, Timothy William, 5, in June 1977. Their daughter, Becky, is 7. Peggy is a data base analyst with United Airlines in Elk Grove Village, Ill.

Barbara Witten, a teacher in the division of special education and rehabilitation at Syracuse University, received her Ph.D. in rehabilitation counseling from Syracuse in June. In May she was awarded an HEW Rehabilitation Services Administration Fellowship to conduct a national evaluation of undergraduate rehabilitation training programs.

68 Christine Casady Brod and her husband, James (see '65), report the birth of their third child, Adam Christopher, on June 10. Their other children are Amy, 6, and Mark, 4. The Brods live in Boulder, Colo.

Karen Henry Briggs and her husband, Scott (see '66), announce the birth of their second child, Richard Clark Briggs, June 1. Karen is a cost accountant with Hewlett-Packard in Colorado Springs.

Michael Corbett is a doctoral candidate at the Harvard Graduate School of Education.

Colin Murdoch, assistant professor of music at Lawrence University, has been named acting dean of the Conservatory of Music at Lawrence.

Elizabeth Mintz Nadel reports a new address, 38 David Elazar St., Raanana, Israel. She's a librarian, having received her M.L.S. in library service from Columbia and an M.A. in communications from Hebrew University in Jerusalem in 1973. She and her husband, John, have two sons, Dan and Eytan.

Abdul-Mamad Nusair (Sc.M., '69 Ph.D.) is associate professor and director of the mathematics department at Yarmouk University, a newly established university in northern Jordan.

Robert W. Powers has been promoted to vice president at Rhode Island Hospital Trust National Bank, where he will head the administrative services section of the bank with responsibility for the auditing, marketing, human resources, and bank protection departments.

Hrathk Semernan, a research engineer, is a project leader with the National Bureau of Standards in Washington, D.C.

Tom Skenderian, Readville, Mass., recently led a lobby effort to get two National Guard bills passed in the Massachusetts legislature. One bill has the state paying 50 percent of the guardsmen's tuition each year at any Massachusetts college or university. The other bill calls for payment of at least \$30 a day for guardsmen during a call-up. "The education bill will be a great inducement for younger men to join the Guard," Tom says.

Christine Hardy Sudell and her husband, William H. Sudell Jr. (see '65), report the birth of their second child, Pamela Hardy, on April 12. Their first child, Andrea, is 3. Chris continues to work as a senior planner with Wilmapco, a regional planning agency in New Castle, Del. The family lives in Wilmington.

69 Robert S. Brockwehl, Alexandria, Va., has been appointed an environmental planner at the Institute for

Water Resources, U.S. Army Corps of Engineers.

Dr. William H. Dean is a resident in pathology at Good Samaritan Hospital, Cincinnati, Ohio.

The Rev. John W. Gibson, Jr., has been named rector of Grace Episcopal Church, Lockport, N.Y., moving to the position from St. John's Church in Youngstown. The Yale Divinity School graduate also did graduate work in education at Southern Connecticut State College. He is chairman of the stewardship commission of the Diocese of Western New York. John and his wife, Lisa, have two daughters, Sarah, 5, and Stephanie, 4.

David L. Kertzer has been appointed acting chairman of the department of sociology and anthropology at Bowdoin College for the current academic year.

Walter Liedtke, Jr. (A.M.) received a research grant from the Ohio State Graduate School to study during the month of July at the State Archives for Art Historical Research at The Hague, Netherlands. The grant also covered the expense of touring during August to see the major collections of Dutch paintings at Berlin, Leipzig, Dresden, Prague, Vienna, Munich, and other museums. Walter is assistant professor at Ohio State University, teaching Dutch and Flemish painting and eighteenth-century European art.

Bruce M. Lloyd has been promoted to international credit officer in Wells Fargo Bank's North American division, international banking group, San Francisco.

Samuel Rotondi, a state senator from Woburn, Mass., is a member of four committees: transportation, taxation, human services and elderly affairs, and health care. He and Diane have three children. Prior to his election to the senate in 1976, Sam was a practicing attorney and director of legislation for the Massachusetts Bar Assn.

70 Margaret Genotese, director of marketing at the Houston Grand Opera, served as consultant to the first Michigan Congress of the Arts, held in June at Detroit's Renaissance Center.

Eric P. Godfrey (A.M.), assistant professor of anthropology and sociology at Ripon College (Wis.), has been awarded tenure, effective 1979-80. He serves as advisor for a cooperative five-year program with the University of Chicago, started last year.

Donald L. Michelme and Christine Louise Danylichuk were married April 22 in Stone Mountain, Ga., and are living in Boston. Don, a Boston University Law School graduate, is a member of the Massachusetts Bar.

Ken Miller has been promoted to associate professor of biology at Harvard. He and his wife, Jody, and their daughter, Lauren, live in Arlington, Mass.

Eric Olson is a consultant engineer with S.M. Stoller Corp., Boulder, Colo.

Sarah J. Sager and Rabbi Stuart A. Gertman were married May 28 in Scarsdale, N.Y. Sarah, who maintains her maiden name, was invested as a cantor by the Hebrew Union College-Jewish Institute of Religion in June and has assumed the pulpit of Temple Beth Am in Merrick, N.Y.

Dr. Paul S. Thaler received his M.D. from the State University of New York at Buffalo, completed his family practice residency at

the University of Maryland Hospital at Baltimore, and is practicing in York, Pa.

Zachary L. Zimmerman and *Marsha L. Holmberg* were married May 27 in Summit, N.J. Zach is project manager for ITT Grinnell Corp., Oswego, N.Y.

71 *William M. Abraham* received his Ph.D. degree in physiology at the University of Rochester in 1976 and, after two years of postdoctoral training at the University of Illinois and the Upstate Medical Center of New York in Syracuse, he has accepted a position at Mount Sinai Medical Center in Miami Beach. He and his wife, Kay, have two children, Michael, 3, and Jeffrey, 1.

B. J. Amsel is a lieutenant in the Dutch army working as a resident in anesthesiology at the Matthijsen Military Hospital in Utrecht. He writes that his wife, Judith, is an interpreter in French, English, Italian, Hebrew, and Dutch. Their new address: Hellenburg 23, Amsterdam-Buitenveldert, The Netherlands.

Stephen M. Batty, Mountain Lakes, N.J., is product manager of Garden State Paper in Saddle Brook.

Martha Clark and *Joseph Briley* were married recently and are living in New York City. She graduated from Harvard Business School in June and accepted a provisional vice presidency at Chase Manhattan Bank.

Robert A. Finn and *Carla W. Gustafson* were married June 24 in Central Congregational Church, Providence, and are living in Millis, Mass. Bob is corporate manager of business planning at Hasbro Industries, Pawtucket, R.I.

Theodore A. Groenke, Jr., is a sales manager with the Smith Tool Co., Waukegan, Ill.

Alan Reid Hammond and *Dorothy Elaine Olson* were married Dec. 30 in Berkeley, Calif., and are living in Colorado Springs.

John B. Hattendorf (A.M.) writes that his Brown thesis, "Technology and Strategy: A Study in the Professional Thought of the United States Navy, 1900-1916," has been published twice since it was submitted. "It first appeared in the *Naval War College Review* in November 1971, and this winter the thesis appeared again in a hardbound anthology of essays edited by B. M. Simpson, *War, Strategy, and Maritime Power*, Rutgers University Press." A resident of Portsmouth, R.I., John is associate professor at the Naval War College, Newport, R.I.

B. R. Kamani writes that he has settled in Nairobi, Kenya, as the production manager of a fast-expanding soap industry. "Although at present only producing laundry soaps, Chui Soap Factory will shortly start producing toilet soaps, liquid soaps, and detergents." His address: c/o Box 54669, Nairobi, Kenya.

Dr. Robert M. Keaney was graduated from Philadelphia College of Osteopathic Medicine in June. He was the recipient of the Wilbur P. Lutz, D.O., Memorial Award for proficiency in physical diagnosis. Dr. Keaney is interning at the U.S. Public Health Center, San Francisco.

Robert Charles Koonitz writes that he received his master's in psychology from West Georgia College, Carrollton, Ga., in 1977 and was married April 30, 1978, to Cynthia Kay Shelley of Maitland, Fla. The couple is living

in Dalton, Ga., where Bob is with the State Mental Health Department.

Dr. John W. Kulig is a fellow in adolescent medicine at the Children's Hospital Medical Center, Cincinnati, Ohio.

John K. Mell, Summit, N.J., reports the birth of a daughter, Meredith Milbank, on Sept. 18, 1977.

John B. Newton and his wife, Nancy, report the birth of their first child, Sarah Anne, on April 14. John recently received his M.B.A. from Columbia University Graduate School of Business and is presently living in Washington, D.C., where he is vice president of Guggenheim Productions, Inc., a motion picture production company specializing in political and documentary films.

Connie Schmidt, former Bruin hockey captain, has been named assistant hockey coach at Princeton. He had been assistant coach at Penn before the Quakers dropped hockey last spring.

Richard O. Schwab is director of development for University Liggett School in Grosse Pointe, Mich.

Norman Swanberg writes that after leaving Brown he became a microwave engineer, earned a master's degree in electrical engineering at Northeastern, and learned to play the sax, "not necessarily in that order of importance." He adds: "After working the Rt. 128 electrical engineering syndrome and enjoying the advantages of life in Boston, I've moved to southern California to work for Hughes Aircraft Electron Dynamics Division." His address: 23920 Anza Ave., Apt. #121, Torrance, Calif. 90505.

Lt. Robert A. Thorley, USN, and his wife, Pam, report the birth of their first child, Elizabeth Ruth, on Feb. 6. Bob received his M.S. degree in administration with a concentration in industrial management from George Washington University. He will be leaving the Navy this fall to become a project cost analyst for Corning Glass Works in Corning, N.Y.

Harry L. Watson is teaching U.S. history at the University of North Carolina at Chapel Hill. He earned his Ph.D. from Northwestern in 1976.

72 *Jean Braucher* graduated cum laude from Boston University Law School in June and has moved to Madison, Wis., to clerk for Justice Nathan Heffernan of the Wisconsin State Supreme Court.

Laura Tweet Bretas and her husband, Eustaquio, report the birth of a son, Jared Marsal Bretas, on Feb. 9. They also have another son, Elton David, who is 5. "Prior to the birth of Jared I was employed at the Savings Bank of Tolland, Conn.," she writes.

James Tracy Colby III, Westbury, N.Y., is supervisor of contract administration for Con Edison's Westchester Division in White Plains. "Am currently pursuing my M.B.A. in finance (evening program) at Hofstra University," he writes. "My wife, Cynthia, also enrolled there this fall."

Richard V. Campagna writes that last April 28 he celebrated the first anniversary of his marriage to Odalys Perez Medina, a Venezuelan law student. Richard has been named Latin American counsel for Schlumberger Petroleum Services, based in Caracas.

Dorothy Kelly (A.M.), a statistical planner

for the Stamford Planning Board in Connecticut, was selected by the Rippowam Business and Professional Women's Club to receive its annual Young Careerist Award.

Phil Lu is a merchandiser in training with Continental Grain Co., Dubuque, Iowa. He reports that after graduation he was a Peace Corps volunteer in Senegal, West Africa. He's also earned a master's degree in administration from Cornell and spent a year in Paris as an exchange student and studied at Catholic University of Louvain.

Dave Lamont received his master's degree from the University of Vermont last December and is now involved in coordination of energy input programs for the state at the University of Vermont Extension Service.

Stephen Manock ('73 A.M.) is a research analyst with the U.S. Department of Defense, Fort Meade, Md.

Orman H. Paananen is a senior economist at Abt Associates, Englewood, Colo.

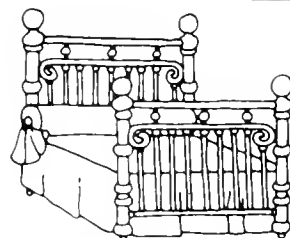
Dr. Leon H. Rosenberg ('75 M.D.) and his wife, Barbara, are living in Minneapolis,

continued on page 52



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Eric Goetz: Custom boatbuilder

Eric Goetz '71 tried office work once and didn't like it. So, at age twenty-five, he went into business for himself and started building wooden racing yachts. Three years later, Eric Goetz Custom Sailboats, Inc., of Bristol, Rhode Island, is so successful that Eric has to turn away business. He's now faced with the difficult choice of maintaining a small (eight- or nine-person), manageable, friendly shop, or expanding to accommodate the demand. He admits, with a fatalistic shrug, that he may be forced to do the latter.

Eric comes by his boatbuilding skills quite naturally. He grew up sailing on Long Island, where his father was an amateur woodworker. While at Brown, he took courses in woodworking and furniture design at RISD, and he spent four years after graduation sailing to various parts of the world and working on yachts (including one owned by Thomas A. Watson, Jr., '37), with time out for an eight-month stint in a carpentry shop in Germany. It was on one of those long cruises—with his wife, Marcia, '71—that he decided what he wanted to do when he got home. Boatbuilding presented itself as an obvious choice. So when he and Marcia came back to Rhode Island (where she works for her father's jewelry-import firm), they went into partnership and started Eric Goetz Custom Sailboats.

What was an obvious choice to Eric might seem quixotic to an outsider, particularly since his decision to build wooden boats placed him in scarce company indeed. The vast majority of all sailboats sold today are mass-produced of fiberglass, and while wooden boats have always had a certain cachet and a loyal following, there are only three or four firms in the U.S. that build them to order.

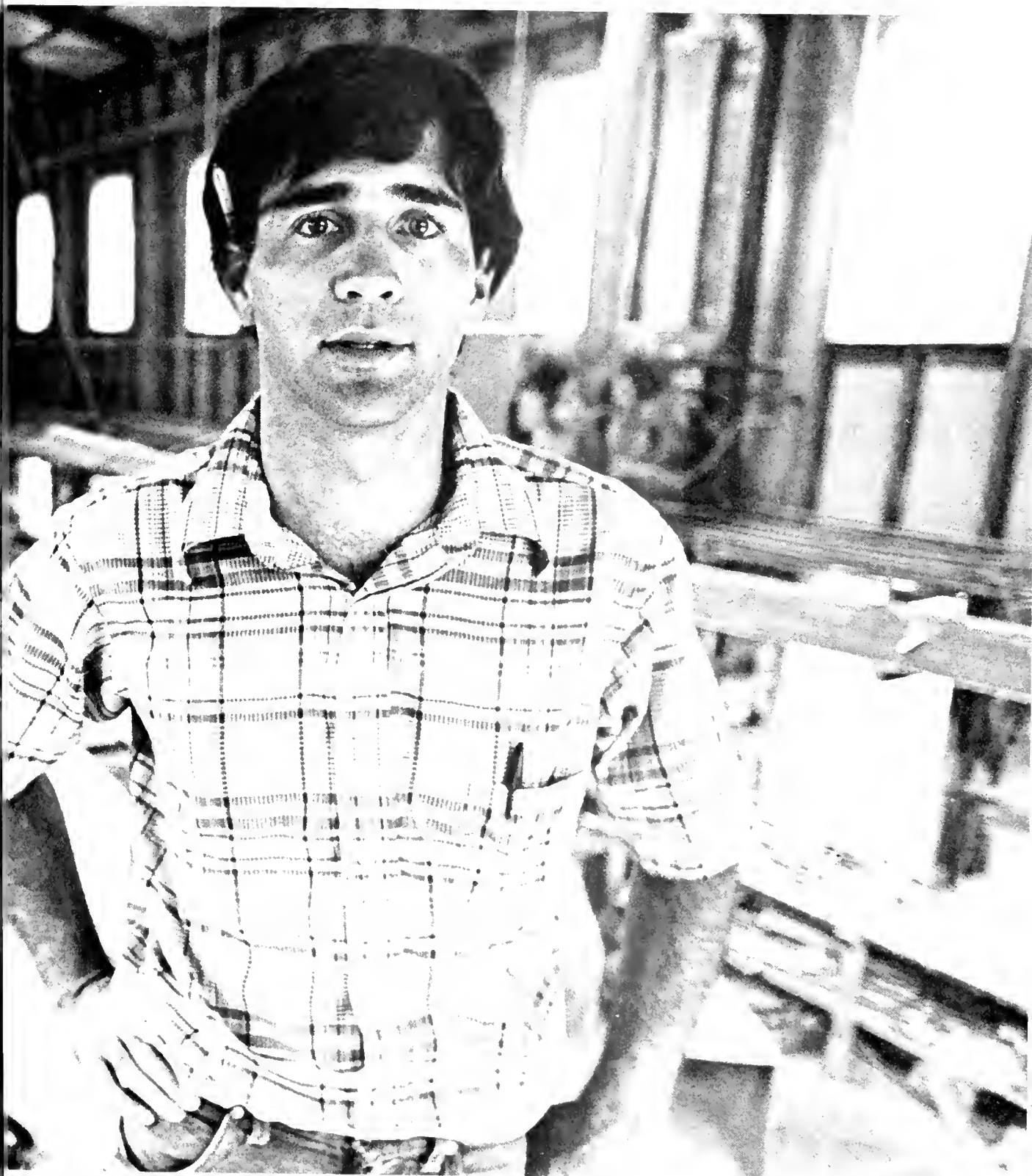
Eric Goetz Custom Sailboats is now the largest such firm in the country. Between June 1977 and June 1978, they delivered six completed boats and two hulls, most of them to wealthy individuals who could afford price tags as high as six figures. (Eric himself refers to such boats as "big ego toys.") Right now they're also working on a modest little nineteen-foot prototype for the Boston Whaler Company, which will cost about \$17,000 delivered—but which Boston

Whaler will be able to mass-produce in fiberglass for about \$5,000 apiece. Eric Goetz, on the other hand, has never built the same design twice.

Probably the most important measure of their success is the impressive record his boats have compiled in major ocean races. In 1977, Goetz-built boats finished second, third, and eighth in the three-quarter-ton

North American championships, in 1978, they finished first and fourth in the North Americans and third and eighth in the Worlds, in addition to second- and sixth-place finishes in the one-ton North Americans. (Their largest boat to date, a forty-four-footer, also sailed in the Newport-to-Bermuda race this summer.) Eric Goetz, in short, is becoming a household word among





John Forastie

serious ocean racers.

When asked why his boats have scored so impressively, Eric answers matter-of-factly, "Because the guys who sail them sail them well." Pressed further, he admits, "We also like to think we put them together well." He uses a recently developed boatbuilding process called the wood epoxy saturation technique (WESIT), in which the hull is

shaped from thin layers of wood that are saturated with a waterproof epoxy resin which binds them together and prevents rotting (the nemesis of wood boats). "Wood boats are considered good-looking, but they're associated with dry rot and difficult maintenance," Eric says. "That's not true. You have to educate people about wood boats."

Eric and Marcia live fifty feet from the water in Barrington and have two boats of their own—a rowing dory and a twelve-foot Penguin sailboat, which Eric races during the winter at Bristol Yacht Club. When asked why he doesn't own one of his own custom-built yachts, Eric says, "Are you kidding? I can't afford one of those. I can build them, but I can't afford them."

where Leon has completed his first year of neurology residency. "Our second son, Cal Richard, was born Jan. 4," he writes, "joining our first son who was born while we were in Richmond, Va. Leon completed two years in internal medicine residency there before coming to Minneapolis."

Robert B. Shuman, a University of Virginia Law School graduate, is special counsel to Peabody Coal Co. at its office in Washington, D.C. He will also spend part of his time in St. Louis, Mo., as a member of Peabody's legal department.

Carla Boesch Smith received her master's in business administration from UCEA in June and has accepted a position with Foote, Cone & Belding Hong, Chicago.

73 Dr. *Deborah Albert* (76 M.D.) has moved to Atlanta, Ga., to complete her residency in general surgery at Emory University.

Susan Brewster received her M.B.A. from Columbia in January and is now grants director in Stamford, Conn.

William F. Cooper is assistant professor of psychology at Harvard.

Edmond F. DiRenna is a staff engineer with Hewlett-Packard in Englewood, Colo.

Stephen Bradford Dudley and *Mary Ann Griffin* were married in June. Steve, a civil engineer, is employed by Russell Waldo, Hartford, Conn.

Dr. *Eric B. Einstein* is a medical intern at Rhode Island Hospital, Providence.

Dr. *Dana H. Frank* received his M.D. from George Washington University in May and is an intern at The Johns Hopkins Hospital, Baltimore, Md.

Dr. *Carol Franklin* is a resident at Michael Reese Hospital, Chicago.

Jay Geary is in his third year at Northeastern University Law School and is living in Cambridge.

John W. Graham received his Ph.D. in economics from Northwestern in June and is assistant professor of economics at the University of Illinois.

Keem P. Hart is director of the Child Development Center and the Regional Vocational Center, Portland, Maine.

Lawrence Malone, Lake Placid, N.Y., had a recent showing of his photographs at the Adirondack Museum in Elizabethtown, N.Y.

Christopher Potter (A.M.) is a geologist with the Law Engineering Testing Company of Atlanta.

Tod Schaeffer and his wife, *Patricia McLellan Schaeffer* (see '74), are living in Weymouth, Mass. Tod is a senior production planner for General Dynamics in Quincy.

Barry C. Schuster reports a new address: 37 Elm St., Lebanon, N.H. 03766.

74 *William D. Armstrong* is a research chemist at the Catalyst Development Co., Little Ferry, N.J.

Dr. *Andree Arnold* has graduated from Harvard Medical School and has begun his residency in medicine at the University of Chicago Hospitals and Clinics. His address: 5715 S. Drexel Ave., Apt. 116, Chicago 60637.

Andree N. Berg was graduated from New York University School of Law in June and is working at Debevoise, Plimpton, Evans & Gates in New York City.

Dr. *Eric Strom Chino* and his wife, *Katherine*, received their M.D. degrees in June from the University of Oregon Health Sciences Center. They were one of two married couples among the 113 graduates.

Debdendra K. Das (Sc.M.) is a project engineer at Tower Iron Works, Seekonk, Mass. He writes that he passed the professional engineering examination given by the National Council of Engineering Examiners and has become a registered professional engineer in Rhode Island. "Also working on my doctoral research in mechanical engineering at the University of Rhode Island," he adds.

Dr. *David V. Diamond* is a clinical fellow in medicine at Harvard Medical School.

Christopher A. Gallo is a certified accountant with Arthur Young & Company in Stratford, Conn. He and his wife, *Debbie*, recently moved into a new home at 504 Connors Ln., Stratford 06497.

Dr. *Larry Golbe* and *Devra Litshitz* (see '75) were married on May 28 and are living in Philadelphia. Larry has started a medical internship at Hahnemann Hospital in Philadelphia.

Karen L. Grier earned her Ph.D. in psychobiology and biochemistry at Caltech in February and has started her postdoctoral research at the University of California, San Francisco, supported by a fellowship from the Muscular Dystrophy Association of America.

Gene L. Gressis, who has an M.S. from Stanford, is a research associate in the department of chemical engineering at Stanford.

Dr. *Jacqueline I. Hess* received her M.D. from Boston University and is a resident at Memorial Hospital, Worcester, Mass.

Susan Jattee has started her second year at the University of Pennsylvania Law School.

Dr. *Steven Paul Kalter* received his M.D. degree from Baylor College of Medicine in June and is now doing his residency in internal medicine at the University of Texas in Houston.

Dr. *Judith E. Kashitan* is an intern at Framingham (Mass.) Union Hospital.

Michael R. Miller received his master's in management from Northwestern in June and is manager of employment at the American Hospital Supply Corp., Evanston, Ill.

Diane Rogers Montgomery and her husband, *Claude* (see '75), report the birth of a son, *Edward*, on Jan. 31. The family lives in Detroit, where Diane will resume studies for a master's in public health.

Steven L. Rattner has been named to term membership in the Council on Foreign Relations, New York City.

Patricia McLellan Schaeffer and her husband, *Tod* (see '73), are living in Weymouth, Mass., and Pat is registrar of the Blue Hill Girl Scout Council of Quincy.

Richard Smetanka reports that he has just celebrated his third wedding anniversary and is now living in St. Clair Shores, Michigan. He is the purchasing agent and marketing consultant for Northwest Food Company of Detroit, specializing in fresh-water fish and seafood.

Robert Stutz was graduated in June from the Harvard Business School with a master's in business administration. He's now a corporate product planner for the General Motors Corp., Detroit. His home address:

24703 Heathside #50304, Farmington Hills, Mich.

Dr. *Trevor R. Worrell* writes that after graduating from Upstate Medical Center in Syracuse, N.Y., he is a first-year family medicine resident at Downstate Medical Center in Brooklyn.

75 *Christine Altieri* and *Dan Cozart* (see '76) were married May 28 in Charlottesville, Va., where they now live. Chris has received an M.A. in English from the University of Virginia.

Kathleen P. Colgan, who recently received her A.M. degree in political philosophy and literature from Rice University, Houston, Texas, served as protocol official for the Johnson Space Center during the summer. In this position for NASA, Kathy served as host for national and foreign dignitaries visiting the space center.

Margaret A. Liebig and *Mac Lloyd* were married June 18, 1977, and are living in Dedham, Mass. She is the director of admission and a teacher at Brimmer & May School in Chestnut Hill, Mass.

Steven L. Feldman has been promoted to engineer in the hull construction group of the Electric Boat Division of General Dynamics, Groton, Conn.

Charles L. Glerum and his wife, *Elizabeth Burnett* (see '76), have moved to Ann Arbor, Mich., where both are students at the University of Michigan Law School.

Cynthia Harry, who has an M.A. in mass communications from the University of Iowa, is audiovisual specialist at the Minnesota Zoological Garden, Apple Valley, Minn.

Id Hopkins received his M.B.A. in May from the Wharton Graduate School of the University of Pennsylvania, and is working with Sybron Corp., Rochester, N.Y.

George Hutchinson writes that after two years as a Peace Corps "well-digger in rural Upper Volta, West Africa," he is attending graduate school in English and American studies at Indiana University.

Dr. *Alan T. Kaell* is a resident in internal medicine at Strong Memorial Hospital, Rochester, N.Y.

Anne Kniskopf is a third-year law student at Catholic University, where she is a member of the *Law Review* staff.

Devra Litshitz and Dr. *Larry Golbe* (see '74) were married May 28 and are living in Philadelphia. Devra is working on her doctoral dissertation in economics at the New York University Graduate School of Business Administration.

Claude Montgomery and his wife, *Diane Rogers Montgomery* (see '74), report the birth of a son, *Edward*, on Jan. 31. Claude graduated from Stanford Law School in June and has joined the United Auto Workers in Detroit as an associate on the general counsel staff.

Gerry Norton writes that in 1977 he received his M.B.A. degree from the Colgate Darden Graduate School of Business at the University of Virginia. "I now work for the Industrial and Marine Division of The Babcock & Wilcox Co., manufacturers of steam boilers, located in Canton, Ohio."

Katarina Rice has worked for close to two years at the University of North Carolina Press, mainly in production and design. "We have a beautifully functioning in-house

composition system, where I'm senior composer," she writes. "I've also been active with Lollipop Power, Inc., a feminist collective that publishes children's books."

Susan Holloway Scott is now special assistant to the president at Adams Associates, Devon, Pa., an educational public relations firm dealing primarily with colleges and universities on the East Coast. "I write and produce sound-slide shows for schools to be used for admissions and development programs," she writes.

Betsy Zeldin writes that she has started her third year at the Harvard Law School. "I'm preparing for a one-person art show of my collages at Harvard next year. Also, I have been elected to the board of directors of the Harvard Coop."

76 *Edith Andrews* and *John Dant* were married June 24 in San Francisco, where they now live.

John G. Berylson has an M.S. degree from New York University and is enrolled in the M.B.A. degree program at the Harvard Graduate School of Business Administration.

Jody Blatt is a graduate student in public health at Harvard.

Elizabeth B. Burnett and her husband, *Charles L. Glerum* (see '75), have moved to Ann Arbor, Mich., where both are students at the University of Michigan Law School.

Susan T. Childs has started her second year of graduate study in African archaeology at Boston University.

Dan Cozart and *Christine Altieri* (see '75) were married May 28 in Charlottesville, Va., where they now live at 117 Altamont Circle #4. Dan has enrolled this fall in the Ph.D. program in religious studies at the University of Virginia.

Maria E. Defino has been advanced to doctoral candidacy at the University of Texas at Austin in the School Psychology Training Program. Maria has worked as a teaching assistant at the graduate level at the University of Texas-Austin, and recently she was inducted into Pi Lambda Theta, national honor society in education.

Barry Kriesberg and *Robin Laster* (see '77) were married April 30 in Monsey, N.Y., and are living in Durham, N.C. Barry is a graduate student in health administration at Duke University.

Frederick Douglas Masste and *Patricia Susan Frazier* were married in June and are living in Middlebury, Conn. Fred is with Procter & Gamble.

William H. McGill, Nashville, Tenn., is attending Meharry Medical College.

Shauna R. McKee is a candidate for a master's degree in business administration at the Wharton Graduate School of the University of Pennsylvania.

Robert K. Moore, a financial analyst, is with GATX Leasing Corp., San Francisco.

Dennis S. O'Connell and his wife, *Gloria*, have moved to New Haven, where Dan has started work on his master's degree in public and private management at the Yale School of Organization and Management.

Robert D. Shapiro and *Deborah A. Kyrios* (New Hampshire '75) were married May 20 in Exeter, N.H., and are living in Salem, N.H. *Lee Nackman* was an usher, while other classmates in attendance included *Jack Shapiro*, *Ava Hartman*, and *Lenny Lloyd*. Bob is an

electronics engineer at Dymo Graphics in Wilmington, Mass.

Steve Socha is in his third year at Boston University Law School. He writes that April 1978 was a good month for him. "On April 1, I competed in the national finals of the American Bar Association/Law Student Division Client Counseling Competition in New York City. I was then elected treasurer of the Student Bar Association on April 13, and, finally, on April 17 I ran the twenty-six-mile Boston Marathon, along with my evidence professor, *Eric Green* '68."

Paul J. Vincenti has entered his third year as a Ph.D. candidate in the chemistry department of the University of Wisconsin-Madison.

77 *Dave Flaschen*, former goalie on the Brown soccer team, is in his second year with the Chicago Sting pro soccer club.

Robin Laster (A.M.) and *Barry Kriesberg* (see '76) were married April 30 in Monsey, N.Y., and are living in Durham, N.C. Robin is an administrative assistant in the payroll office at Duke.

Kathy Morath writes that she has been touring with the musical *Grease* and working as a singing-telegram messenger when she's in New York.

Elm F. Spring is attending the University of Pennsylvania Medical School working toward a doctorate in anatomy. Her research is in the field of neurosciences.

Jacqueline A. Zeltzer, fresh from a year at the Institute of European Studies and the Sorbonne, Paris, has entered International Christian University in Tokyo as a one-year special graduate student. Her goal, she says, is to work in Japanese-American relations.

78 *Jeanne Adams* is a consultant and public health nurse at the Rhode Island Division of Mental Health in Cranston.

Marcie Freedman is a graduate student in the history of art at Yale.

Stephen Paul Lada and *Joan Audrey Scarpati* were married June 20 at Manning Chapel and are living in Arlington, Va. Stephen is employed by the Naval Air Systems Command in Arlington.

Nat Philbrick, who helped lead Brown to an Ivy League sailing championship last spring, captured the Northeast Sunfish Regional Regatta at the Barrington Yacht Club in July.

79 *Jane Chrestman* and *Donald Seth Share* were married June 1 at Manning Chapel and are living in Providence. Jane entered the Brown Medical School this fall.

Deaths

Robert Franklin Field '06, '07 A.M., Santa Fe, N.M., former instructor in physics at Brown and later assistant professor of applied physics at Harvard, March 6. Mr. Field received an A.M. from Harvard in 1916. From 1929 to 1950 he was a research engineer with General Radio Co. in Cambridge, Mass. His

daughter, *Helen Field Redman*, died April 25 and his wife, *Grace*, died July 8. There are no immediate survivors.

Marion Emsley Hawes '12, '20 A.M., Baltimore, Md., prominent nationally and internationally for her work on the role of the public library in adult education; July 22. From 1948 until her retirement in 1960 from the Enoch Pratt Free Library's Division of Adult Services, Mrs. Hawes directed the library system's adult services division, where she initiated many adult education programs and compiled bibliographies for professional educational journals. She wrote several books and numerous papers on library work. Mrs. Hawes was a past president of the Maryland Library Association and the Maryland Association for Adult Education. Survivors include her son, *Lomg E. Hawes*, 300 St. Paul Pl., Baltimore 21202.

Earl Francis Luther '15, '16 A.M., Acworth, N.H., retired industrial relations manager of Socony Mobil Oil Refinery, East Providence, for which he worked for thirty-seven years; June 21. Mr. Luther served in France for two years during World War I. He was a former trustee of the United Church of Acworth and served as Acworth's town auditor for several years. Zeta Psi. Survivors include his wife, *Kathryn*, of Acworth; two sons, *Earl* '42 and *William* '45; and a daughter, *Nancy Luther Sleicher* '50.

Francis James Brady '16, '19 A.M., Rochester, N.Y., Providence attorney and the man credited with modernizing the Providence school system, May 3. Mr. Brady received his LL.B. from Harvard in 1922. He was first elected to the Providence School Committee in 1925 and served thirteen years as its chairman. He was the major force behind teacher improvements in the school system and a \$12 million building program that ended overcrowding. Mr. Brady was one of the founders of the National School Board Association. For many years he owned two Providence newspaper distributing businesses and was president of the Rhode Island District Newspaper Dealers Assn. He served as clerk of the Rhode Island Senate and was a director of the Sock and Buskin Alumni Delta Tau Delta. Survivors include a daughter, *Miriam Brady Holmbren*, Rochester, N.Y.; and a son, *Francis*.

Leon William Brower '16, Clearwater, Fla., retired president of Sunlight Chemical Corp., East Providence, and a former state senator and representative from Cranston, R.I., July 8. Mr. Brower's East Providence chemical firm provided millions of chlorination kits used by American soldiers to purify their drinking water during World War II. Mr. Brower was elected to the Rhode Island House for two-year terms in 1943 and 1947 and to the Senate in 1949. An avid yachtsman, he was a former commodore of the Edgewood Yacht Club. Survivors include two sons, *Leon*, of Tiverton, R.I., and *Russell* '43, 2419 Romney Rd., San Diego 92109.

William Henry Beattie '19, Key Biscayne, Fla., a retired vice president of First National City Bank of New York City, May 20. Mr. Beattie spent much of his career with First

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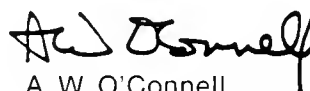
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National City Bank branch offices in South America. He served with an Army artillery unit in World War I. Phi Kappa Psi. Survivors include his wife, Jane, 600 Harbour Dr., Key Biscayne 33149. A brother was the late *Charles Beattie* '23.

Edward Roscoe Kent '19, Providence, principal civil engineer in the Rhode Island Department of Transportation and designer of state roads for fifty-one years prior to his retirement in 1971; June 27. During World War I, Mr. Kent served with the Army in the Marne and Argonne offensives and at the Battle of St. Mihiel. Phi Sigma Kappa. Survivors include his wife, Shirley, 262 Fifth St., Providence 02906; a daughter, Thea, and a son, Larned.

Dr. Chester Wellington Chinn '20, '21 A.M., Malba, N.Y., a practicing physician specializing in ophthalmology and otolaryngology in New York City for fifteen years; June 4. Dr. Chinn received his M.D. from the University of Michigan Medical School in 1925. Survivors include his wife, Genevieve, 101 Malba Dr., Malba; and two daughters, Genevieve and Jeanne.

Clayton Bourne Smith '22, Cranston, R.I., a former art teacher at Mount Pleasant High School; May 11. Mr. Smith received a B.S. in art education from Rhode Island School of Design and also taught courses there. He served as a past president of the Rhode Island Art Teachers Assn. Survivors include his wife, Irene, 14 Wedge St., Cranston 02920.

Norman Justin Paasche '23, Narragansett, R.I., president of Paasche Optical Co., Johnston, R.I.; June 18. Mr. Paasche founded Paasche Optical in Providence shortly after his graduation from Brown. An avid golfer, Mr. Paasche competed in many tournaments in the 1930s and 1940s. Delta Phi. Survivors include a son, Norman, and a daughter, Justine Paasche Greenwell, both of Wakefield, R.I.

John Curtis Reed '23, Annapolis, Md., retired professor of English at the U.S. Naval Academy and a former assistant professor of English at Brown; June 16. Professor Reed received his B.Litt. from Oxford University in 1928 and then taught at Brown for eight years, specializing in Shakespeare. Delta Kappa Epsilon. Survivors include his wife, Christine, Miller Rd., Cedar Park, Annapolis 21404, a son, Benjamin, and a daughter, Elizabeth. His father was the late *Charlton Reed* '86.

Samuel Robert Finegold '25, Providence, a district dealer for the *Providence Journal* for fifty years and operator of the Auburn News Company, which he founded, for the past forty-eight years; June 11. Survivors include his wife, Ruth, 39 Emeline St., Providence 02906; a daughter, Hannah, and a son, Maurice.

The Rev. *LeGrand Barnum Smith* '25, Carlsbad, N.M., a Methodist missionary in Chile and Bolivia for forty-eight years prior

to his retirement in 1970; May 20. Mr. Smith received a B.D. degree from Drew University in 1933 and an M.A. from Peabody College for Teachers in 1946. In 1967 he was honored by the Bolivian government with a gold medal for his educational work in that country. Survivors include his wife, Mildred, Landsun Manor, Westridge Rd., Carlsbad 88220.

Harriet Silver Cooper '28, Hendersonville, N.C., a private music teacher; July 6. Mrs. Cooper received an M.A. in religious education from Oberlin College in 1929 and a certificate in piano teaching from Peabody Conservatory, Baltimore. Survivors include her husband, David, 124 Maywood Rd., Hendersonville 28739, and three stepsons, Raymond, Lester, and Donald. Mrs. Cooper's father was the late *Albert A. Silver* '89 and her mother was the late *Harriet Ash Silver* '06.

Lee Franklin '31, Port Washington, N.Y., head of his own law firm in Mineola, N.Y.; April 11. Mr. Franklin received his LL.B. from Yale in 1934. He was a member of the Brown Club of Long Island. Survivors are not known.

Alma Thomas Aldrich '35, Damariscotta, Maine, for the past twenty years co-owner and operator with her husband, *Laeson M. Aldrich* '33, of The Cheechako and Country Farm, two of Maine's most popular seasonal restaurants; June 20. Mrs. Aldrich and her husband were noted for their special entertainment of alumni and of members of the Brown Club of Maine. She was chairman of the Girl Scout Council in Damariscotta. Survivors include her husband, at The Cheechako, Damariscotta 04543, a son, Thomas, daughters *Caroline* '60 and *Susan* '63, and a sister, *Helen Thomas Borst* '40. Her mother was the late *Alma Stockard Thomas* '03, '04 A.M.

Robert Gordon Brown '45, Brewster, Mass., a self-employed management consultant; March 25, 1976. Mr. Brown was an officer with the 8th Air Force in the Pacific during World War II and later served as chief of nuclear manufacturing controls at The Martin Co., Middle River, Md. Phi Delta Theta. Survivors are not known.

Joaquin Basilio Diaz '45 Ph.D., Albert Einstein Professor of Science at Rensselaer Polytechnic Institute, Troy, N.Y.; June 16. Considered one of the country's leading mathematicians, Professor Diaz was graduated from the University of Texas in 1940 and received the first doctorate awarded in applied mathematics at Brown. He had been a consultant to the Atomic Energy Commission from 1951 through 1956, consultant to the Naval Ordnance Laboratory from 1955 to 1968, and an advisor to the Office of Naval Research and National Academy of Science. An accomplished linguist, Professor Diaz spoke fluently in English, French, Spanish, Italian, and German. He once learned Arabic in two weeks when he heard some of his students speaking it and couldn't understand them. In commenting on Professor Diaz's death, George H. Handerman, chairman of the mathematics department at RPI,

said: "Dr. Diaz had the rare ability to find creative solutions to complex problems, and to translate this knowledge into undergraduate terms." Eleven days before his death, Professor Diaz was one of five alumni of Brown's Graduate School to be awarded the first Graduate Alumni ae Citations. Survivors include his wife, Eleanore, 22-25th St., Troy 12180.

John Charles McLaughlin '45, Warwick, R.I., a disabled veteran who was a lieutenant in both World War II and the Korean War and was awarded two Bronze Stars; July 4. Mr. McLaughlin fought in the battles of Saipan, Leyte, and Okinawa, was involved with the occupation of Korea, and retired after eleven years of service. Survivors include his wife, Janet, 240 Diamond Hill Rd., Warwick 02886; daughters Sandra and Karen; and brothers *William* '35, *Eugene* '36, and *Edward* '40.

Harold William Carr '50, Kent, Ohio, president of King Car Rental; Dec. 29, 1977. Mr. Carr (name changed from Caramello) received his B.S. in education from Springfield College. Survivors include his wife, Barbara, 7424 Star Route 43, Kent 44240.

Millicent McSherry Hickman '55, Mill Valley, Calif., a nationally known watercolorist and an experienced racing sailor; July 25. Shortly before her death, Mrs. Hickman had been selected by the San Francisco Yacht Club through a three-month series of elimination races in the 30' wooden Knarr class yachts to represent the United States in the Knarr International Championship between Norway, Denmark, and the U.S. at Bergen, Norway, in August. Mrs. Hickman was class marshal at her Brown graduation and later was graduated from the Boston School of Occupational Therapy. She had been an active NASP worker and was a member of the Pembroke Club in San Francisco. Survivors include her husband, Bill, 203 Hillside Ave., Mill Valley 94941, and two sons, Bruce and Derek Bishop.

Simpson Christopher Gabriel '77, Inwood, N.Y.; July 2, an apparent murder victim. Mr. Gabriel's body was found behind a vacant house in New Haven, with death resulting from head injuries caused by "blunt force," according to the state's medical examiner. Survivors include his mother, Petrona, 1 Dogwood Ln., Lawrence, N.Y. 11559.

Correction

In the obituary for *John Francis Winans* '32, which appeared in the July August BAM, we did not list his widow, *Sadie McMichael Winans* '26, '28 A.M., 7082 San Miguel Ave., Lemon Grove, Calif. 92045, as a survivor. Mr. Winans, who died in August 1976, taught health and physical education at Bridgman Junior High School and at Central High School in Providence for fifteen years. He was a graduate of East Stroudsburg (Pa.) State College and of San Diego State College and had lived in San Diego County, Calif., for the past thirty-two years. He was a former director of the 5th and Ash USO and the 1st and Broadway USO in San Diego.

