

BROWN

ALUMNI MONTHLY



THE HEART OF AN "ATOMIC CLEANER"

For Prof. H. F. Farnsworth's research, see page 8.

LIBRARY



► ANSWER, duly certified as genuine, on a recent exam in Political Science: "The United Nations is no place to air dirty lenin."

► A PROFESSOR at Emory used to take his little dog to class with him. Someone asked him how the dog behaved. "Oh," said the Professor, "he scratches himself and sometimes sleeps with the rest of the class."

► THREE GUESSES what the headline was when a man named John Willard Shy was appointed a Fellow at Princeton.

► A UNIVERSITY CLUB group was talking about a Western incident where some students had demonstrated against their President by hanging him in effigy. "I don't believe in that," said one man at the table. A rejoinder came quickly: "Do you mean you don't believe in using any dummy?"

► WE DIDN'T MEAN to snoop at a desk in the John Hay Library where an executive has one of those day-by-day pads on which to record important memoranda. But we couldn't help noticing that the leaf was empty of notations, except for one entry, obviously not his own. Someone had written a cheery: "Good morning!"

► A FORMER FUND-RAISER at another Ivy institution moved on to the lobster business some years ago. He's been up in Maine ever since, prospering. Not long ago we heard one of his ads on an FM radio network, which showed he'd branched out a bit from his seafood staple. He was advertising a flannel shirt which he said (with more pride than reflection) had been "worn by lobstermen for 40 years."

BUSTER

WE WERE GIVING a talk the other night on campus folklore before the Rhode Island Historical Society, offering a sort of anthology of the more ingenious student pranks. We did not commend routine forms of hell-raising, but, even as we spoke, three young men were busy. They rolled up the long rug in front of the Falstaff Room at the Sheraton-Biltmore, lugged it outside to a cab, and were driven to the University neighborhood.

The next afternoon the rug was returned even more mysteriously. As the *Providence Journal* reported: "The same people who didn't see it taken didn't see it brought back."

► JACK MONK '24 of Chicago, one of Brown's most loyal alumni, was talking with some high school Seniors about their hopes of coming to College Hill next fall. Grades were being explained—the school uses 4 for tops, a sort of AA: 3.75 for A, 3 for B, etc. In the conversation they mentioned a classmate who also wanted to come to Brown, but they didn't think his record would qualify him: "Oh, his grades aren't even as good as his bowling average."

► WE'VE MENTIONED this before, but Irving R. Levine '44 brought it up again on one of his question-and-answer segments on NBC "Monitor" in January: Someone wondered what there was to read in the Moscow libraries. Levine said they had a good representation of American magazines, "including the *Brown Alumni Monthly*." Horace Sutton once wrote in the *Saturday Review* that the *BAM* was indexed under "popular" magazines.

► THE CHAP who got the phone call didn't quite know how to answer the woman. She said she wanted to sell her body to some scientist at Brown after she had died (but she wanted to be paid now, of course). First inclination was to say that the chemicals in a human body were only worth 98¢ but that was not going to be helpful. Finally he told the woman that she'd better call the Purchasing Agent at Harvard.

► A FINE FIRM of booksellers in Pasadena sent its 33rd catalogue out in the mail this winter. One recipient, Albert E. Lownes '20, thinks business should be good in the Ivy League, since the firm's name is Yale & Brown.

► IT OCCASIONALLY happens that, when a Senior is unable to meet all his financial requirements before graduation, a man's degree may later be voted by the Board of Fellows when the old bills are paid. Such votes are upon the recommendation of the Faculty. Recently an alumnus completed the financial arrangements for a degree for which he would have been eli-

gible a couple of decades ago. When the Faculty voted his degree, a mathematician asked whether the bill had been paid in "40-cent dollars."

► PUBLICATION of a new introductory text in Latin by the Chairman of its Classics Department was reported in the *Andover Reporter* recently. It had been in use successfully for a year in Andover, but Dr. Alston H. Chase admitted that one publisher had turned him down because of too frequent reference to "wine."

"Would they have me substitute Seven-Up?" the author wondered.

► ONE OF OUR COLI LAGUES on another campus had referred to the period between 1951 and 1958 as "four years." "I simply don't understand how you could do this," wrote one of his readers. The Editor replied: "Oh, it's not so hard—you just day-dream over your typewriter and get generally sloppy."



FEBRUARY

1959

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THE COVER PHOTO: The solid surfaces Prof. H. E. Farnsworth is studying have to be atomically clean, and the process involves a vacuum as complete as can be obtained. The tube on the cover, shown detached, is connected in actual use to a bewildering array of accessories. Another photo on page 8, also by the Brown Photo Lab, gives you the idea.

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The Advisory Council Week End Will Offer to the Leaders in Alumni Activity

A Look at Today's Brown

THE ALUMNI LEADERS who come back to College Hill each year for the Advisory Council Week End gain an unusual insight to what is happening at the University. Such insight is one of their rewards, which they share back home with the constituents they represent; but they also contribute to the benefits of the days through their enthusiasm and participation in discussion, plans, and decisions.

The program for the 1959 Advisory Council of the Associated Alumni is in readiness for the delegates from Brown Clubs and other phases of official activity in the field. The elements in that working week end, Feb. 6 and 7, include topics of timely reference, opportunity for specialized and general meetings, some stipulated business, and entertainment. As arranged by the committee under the chairmanship of Richard M. Field '43, the program holds much promise. In addition to the Advisory Council proper, the framework includes provision for the leaders of the Brown University Fund, the Association of Class Secretaries, Brown Club Presidents, various subcommittees of the Bicentennial Development Program, and the new Alumni Advisory Council on Admissions.

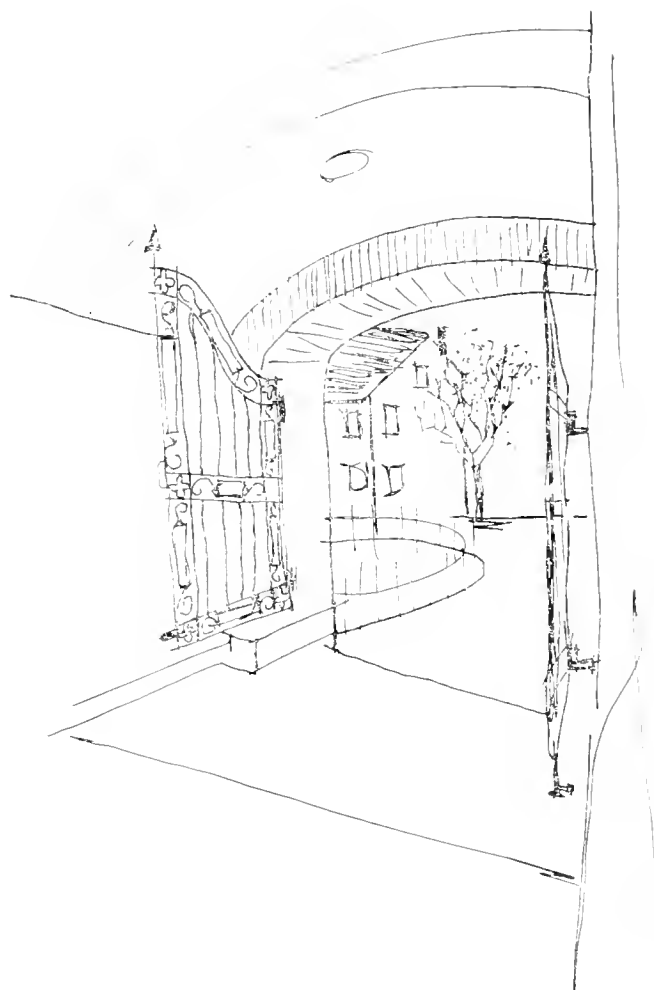
Registration will start in Alumni House, 59 George St., on Friday afternoon at 2, although the first scheduled event of a general nature is the always popular tea at the home of President and Mrs. Keeney at 55 Power St. at 4. After an open house at Alumni House, the Advisory Council Dinner will be held at Sharpe Refectory at 7:30.

The Student Point of View

"The Undergraduate Attitude at Brown Today" will be the theme of the talks after dinner, with Dean Charles H. Watts, II, '47 leading the discussion. Student participants will be John C. Christie, Jr., President of the Cammarian Club, and Stephen Dyson, another thoughtful and articulate Senior.

After a Dutch-treat breakfast in the Refectory at 8, registration will resume on Saturday in Faunce House. Several morning conferences will follow: Under the general auspices of the Brown University Fund, there will be two meetings of Fund Trustees, City and Area Chairmen, and Class and Regional Agents: The early one at 9:30 will be for "first-timers," who will be given thorough orientation; the later gathering will relate more specifically to the 1959 Campaign, starting at 10:30. Among the scheduled speakers are: National Chairman Robert P. Fisler '43 of New York, Vice-President Thomas B. Appleget '17, Executive Director Allen B. Williams, Jr., '40 (who is also Chairman of the Development Council), and Wescott E. S. Moulton '31, Secretary of the Fund. The agenda will include announcement of the 1959 goal and the Fund's role in the Bicentennial Program.

Chairman Joseph F. Lockett, Jr., '42 has called a meeting of the Admission Advisory Council of the Associated Alumni in Alumni House, at which time the members of this new agency will set up their formal organization and lay the groundwork for national activity. Dean Lloyd W. Cornell, Jr.,



ARCH AT WEST QUAD
by Andrew Dragot '56

Dragot

'44 and other members of his Admission Office staff will be available for consultation.

The Association of Class Secretaries will get an early start on their annual meeting on Saturday—at 8:45 in the Faunce House Art Gallery. Earle W. Harrington, Jr., '41 will be in the chair for the discussion of Association projects and Class activities.

At 11, the official delegates and guests will assemble in the Faunce House Theater for the annual business meeting of the Advisory Council. After the call to order by President Foster B. Davis, Jr., '39, there will be reports from Treasurer Richmond H. Sweet '25, Alumni Secretary William B. McCormick '23, and the Editor of the *Brown Alumni Monthly*.

Middle East Mission

PRESIDENT KEENEY left in January for two weeks in Israel to observe the educational system there. He flew to make the survey on behalf of the American-Israel Society, to which he will submit his comments and opinions in the near future. He expected to make the return flight from Tel Aviv on Jan. 30, in time for the February meetings of the Advisory Council of the Associated Alumni.

While in Israel, Dr. Keeney planned to visit such institutions of higher learning as Hebrew University in Jerusalem, Technion, the University at Tel Aviv, and Bar-Illan University at Ramat Gan. Other visits were scheduled in secondary schools. The Brown President was to speak at the Hebrew University and before the Israel American Friendship League.

Arrangements for his visits were made by George L. Cassidy '26, Executive Director of the American-Israel Society in Washington, D. C.

The Council will receive nominations and ballot on candidates for Alumni Trustee, Treasurer and Regional Directors of the Associated Alumni, and alumni member of the Athletic Advisory Council, and Regional Directors. Arthur Braitsch '23, Chairman, H. Eliot Rice '41, and Gordon E. Cadwgan '36 are the Nominating Committee and worked with the Executive Committee of the Associated Alumni as a research and screening group. There will be time for a question period and forum, too, before the Council luncheon in the Refectory at 1:15.

President Davis will again be in the chair at the general convocation at 2:30, to be held in the Leonard Carmichael Auditorium of the new Walter S. Hunter Psychology Laboratory. A panel discussion on "Alumni and Admissions" will be led by Lockett, together with a report on his morning meeting. Leaders of the University Fund will reveal their spring plans and make awards for 1958 performances, while the wider topic of the Bicentennial Development Program will be introduced by Donald Millar '19, Chairman of its Executive Committee. The climax will come, of course, in the observations of President Keeney on "The State of the University," always an Advisory Council highlight.

Preparing for the Bicentennial

Committees active in phases of the Bicentennial Development Program will use the period for important sessions, with the general committee meeting for lunch on Friday. Two will meet the previous day: the committee on the Skating Rink and Auditorium at lunch; the Pembroke College Development Committee at dinner. Trustees of the Brown University Fund will gather for a preliminary meeting at 2 on Friday.

The University's new Bequest Committee will sponsor the first meeting of Class representatives with Chairman Daniel L. Brown '12 on Saturday morning. More than 25 Class Chairmen (they're all from Classes at least 25 years out) will hear a panel presentation and join in consideration of the general program. The consultant will be Daniel W. Earle '34, Assistant to the President.

A snack will be provided Saturday evening in Alumni House for those delegates and guests not otherwise engaged. Tickets will there be available for the athletic events of Feb. 7: Varsity basketball against Penn is the home feature, for the hockey team will be away at Cambridge. (Brown will swim Penn at 4, while the Freshman basketball team meets Nichols Junior College as a curtain-raiser to the Varsity contest.)

The University Store will remain open until 2 on Saturday for the convenience of the alumni week-enders. Special interest also attaches itself to three campus exhibits: "100 Years of Italian Painting," in the Annmary Brown Memorial; "Early American Colleges," in the John Carter Brown Library; and at the John Hay a special selection of Abraham Lincoln items from the famous University collection appropriate to the 150th anniversary of his birth. Although the visiting of classes will not be featured this year, it will be possible for alumni to attend some of the Friday sessions.

Serving with Chairman Field on the committee on arrangements have been: H. Bradford Benson '52, Charles J. Brown '27, Bruce Williamson '49, Dean Watts, and the Alumni Secretary.

Opportunities and Action

The Advisory Council Week End has always been for the working alumni—perhaps in contrast to Homecoming and Commencement. Serious in main, although entertainment is not neglected, it assembles those loyal leaders who represent the most active agencies in the alumni program and University support through them.

Membership in the Advisory Council is specified in the By-Laws of the Associated Alumni as follows: "the State Chairmen or their appointed substitutes; the President of each local Brown Club and of each affiliated organization, or their appointed substitutes, plus an additional delegate from each Club which has a membership of more than 50; officers of the Associated Alumni and its Directors and Past Presidents; Alumni Trustees; and others invited by the Council, Board of Directors or Executive Committee of the Associated Alumni."

Thus constituted, the Advisory Council fulfills its stipulated assignment to "further the interests of the University and the Alumni . . . consult with the officers of the University and members of the Associated Alumni . . . gather such information, make such recommendations, and take such action as shall best serve to discharge its primary purpose." With closed sessions and off-the-record comment, the Council has unusual sources of information, great latitude in discussion, power, and influence. Since the War, it has been the custom to augment the basic group by the invitation method legally sanctioned. The auxiliary meetings have added vitality and broadened the scope of topic and participation.

Ivy League Tuitions

ALTHOUGH several other Ivy institutions have announced that they are raising charges for tuition next year, Brown has no present intention in that direction for that period. Dartmouth has voted an increase in tuition to \$1400—up \$230. Princeton's tuition and fees go up next year to \$1450. Yale's increase of \$150 will bring its figure to \$1400. Cornell has been surveying the situation.

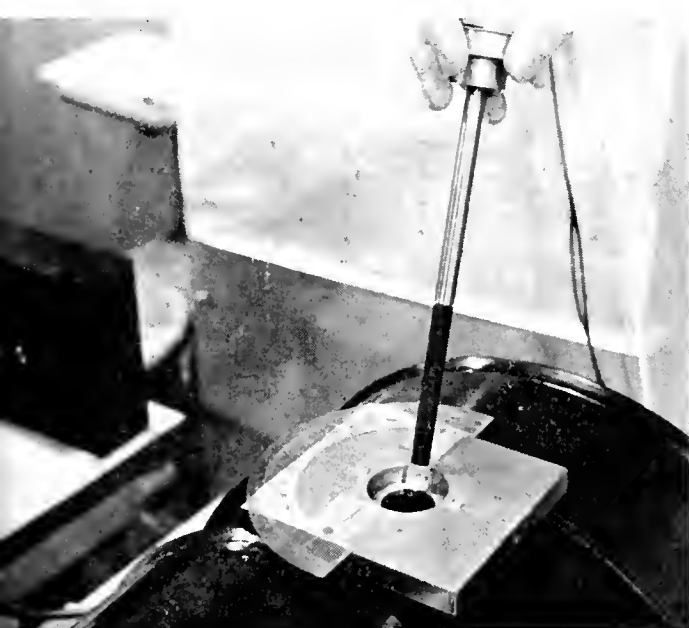
For the current year, the comparative charges in the Ivy colleges are as follows, according to a summary in the *Dartmouth Alumni Magazine* for December:

	<i>Tuition and Fees</i>	<i>Average Room and Board</i>	<i>Total Charges</i>
Brown	\$1250	\$850	\$2100
Columbia	1174	850	2024
Cornell	1250	950	2200
Dartmouth	1170	815	1985
Harvard	1318	960	2278
Pennsylvania	1230	900	2130
Princeton	1215	805	2020
Yale	1250	900	2150

THE RESONANT ATOM:

Moscow Was Interfering

But Then. So Was the Chap Who Flipped a Switch Nearby



SALT CRYSTAL, lowered between the poles of a powerful magnet, will be exposed to low-powered radio waves to study their absorption.



BEFORE AND AFTER: Lefthand salt crystal is opaque after Brookhaven radiation; other is clear.



LATTICE MODEL of sodium chloride is held by Prof. Philip J. Bray '48. He uses salt crystals in his experiments in magnetic resonance.

A TEAM of Brown University physicists some time ago found that research of a somewhat delicate nature on which they were working was being interrupted as it reached a certain point. Investigation eventually revealed that the interference came from Radio Moscow. No international complications developed, however. For one thing Radio Moscow was completely unaware that it was interfering with Brown research. Moreover, similar interruption was found to be coming from BBC, nearby radio stations, and even from switches, fluorescent lights, and other seemingly innocent sources.

This sensitivity to outside disturbances is due to the nature of the research—the use of very small radio signals, too small to be detected by ordinary sets. These extremely sensitive “radio receivers” are disturbed so easily by “static” that most of the fluorescent lights had to be removed from Wilson Hall, where the research is carried on.

This research, conducted under the direction of Prof. Philip J. Bray '48, is fundamentally a study of the nature of

solids by means of what is described technically as nuclear magnetic resonance. This, in plain language, is a measure of the extent to which the radio frequency power is absorbed by the material under study. A key to the value of the technique is found in the fact that each element and each isotope of an element shows a different pattern of absorption. Identification of these patterns thus makes possible an analysis of a substance without destroying it as chemical analysis does.

The material, usually a single crystal, is placed between the poles of a powerful magnet while at the same time it is subjected to the radio frequency power, the wave lengths of which are steadily being changed. Interaction of the atomic nucleus—which acts like a tiny magnet—and the powerful external magnet results in a constantly changing pattern of absorption. This seemingly obscure phenomenon is routed through a complex rack of instruments until it emerges in a plainly visible line traced by a stylus on a chart. The physicist reads and interprets this in the light of past experience and a great deal of physical and mathematical theory.

Reduced to a Pattern of Lines

The research, the layman gathers, is aimed at the very structure of the atom, that extremely complicated and very tiny world whose chemical properties are determined by the number and motions of the electrons which whirl about its nucleus. These can be studied by the scientist in the pattern of lines traced by the mechanism on his charts.

Professor Bray is studying, among other things, the metals aluminum, indium and bismuth, with the aim of finding the arrangement of atomic electrons around the nucleus. He will seek more information about the semi-free or “wandering” electrons in the metals which make them such good conductors of heat and electricity.

The electrons on the outer edges of certain atoms in a molecule, he explains, are not necessarily associated exclusively with those particular atoms. They are common property of other nearby atoms. Professor Bray is trying to get a “map” of the electron distribution and also to learn more about the chemical bond, that combination of forces which binds one atom to another to form matter as we know it.

The same technique promises to reveal relationships between the structure of certain atoms and the behavior of the material of which they are a part. Thus, a study is being made of atoms and electrons in certain substances containing nitrogen and boron. Some of these are related to the “exotic” superfuels, now looming as vastly important in missile development. The research may bring to light other substances of similar atomic structure which could be applied to similar use.

A Relationship to Cancer and Glass

Also under study is the electron distribution in certain substances, known as nitrogen mustards, which tend to inhibit tumor growth. A relationship will be sought between their structure and their effectiveness in the treatment of cancer. It is possible that other substances of similar structure may be found; if so, their effectiveness would be tested.

Professor Bray has been working for three years on a study of the damage done to solids by radiation, using crystals of alkali halides, such as lithium fluoride and sodium chloride. Originally as transparent as glass, some of these crystals come back from the Brookhaven Laboratory black or varicolored, or reduced to powder, depending on the length of irradiation.

Subjected to the radio frequency power technique, the irradiated crystal of lithium fluoride reveals an “exciting” pattern of absorption, Dr. Bray says. It shows an evident separation of the elements, with traces of pure lithium metal and also traces of fluorine gas imprisoned within the crystal. Existence of the lithium metal in minute quantities may

prove important in other research which cannot be carried on with the metal in a more massive state.

A study of the nature of glass has been started and offers great possibilities, Professor Bray says. Although glass is not crystalline, he believes it is not completely random in structure but contains tiny components much like crystals “up to 10 atoms” in size, perhaps. Dr. Bray is one of several research workers cooperating in writing a book concerning the modern theory of the atomic structure of glass.

Professor Bray's research is being supported by contracts or grants from the United States Atomic Energy Commission, the National Science Foundation and the Research Corporation. He heads a research team which includes seven graduate students and two post-doctoral research associates. Their work has included the building of much of the apparatus employed, the sensitivity of which enables it to produce results obtainable in few other laboratories in the country.

A Prize for a Plan

OUR GOOD NEIGHBORS on College Hill, the Rhode Island School of Design, opened their newest dormitory to public inspection in January, first unit to be occupied of several buildings under construction in the area that rises from Benefit St. between Waterman and Angell.

That same week, *Progressive Architecture*, national architectural magazine, gave an educational award citation to the Providence firm of Robinson, Green & Beretta for the design of the dormitories and dining hall in this residential complex. This was one of 29 entries (from 570 submitted) which were thus recognized. The Brunonians in the firm are Knight D. Robinson '35, son of C. L. Robinson '05, and Conrad E. Green '36, son of the late Erik H. Green '98. Pietro Belluschi is consulting architect. The magazine's editors believe that design and construction ideas deserve recognition in the period of design development; hence the competition is based on commissioned projects rather than on completed buildings.

The School of Design dormitories and dining hall will sit on a “sculptured” site the size of a city block. With an unusually steep gradient (80 feet from the high east end to the lower west end), the site had to be sculptured into a series of descending plazas and terraces. The women's residence quadrangle occupies the high portion of the block, and the men's dormitories will occur in a step-down pattern at the western end of the area. Between the two will be the common-use dining hall and lounge.

The new development is the largest in the 80-year history of the School and the first major piece of construction undertaken since the Auditorium was built in 1941. They constitute the first step in a 10-year development program. A Federal loan, a fund drive which began some months ago, and available School funds enabled the institution to start its construction with confidence.

The architects have called the site “an architectural entity unique in this country” and “the front door to historic Providence.” It is planned eventually to reach Prospect St. with this new area, diagonally across the street at Benefit and Waterman Sts. from the present main campus. Four hundred is the capacity assigned by the School to the new living center, taking care of half of the present enrollment. The dining hall will also accommodate 400.

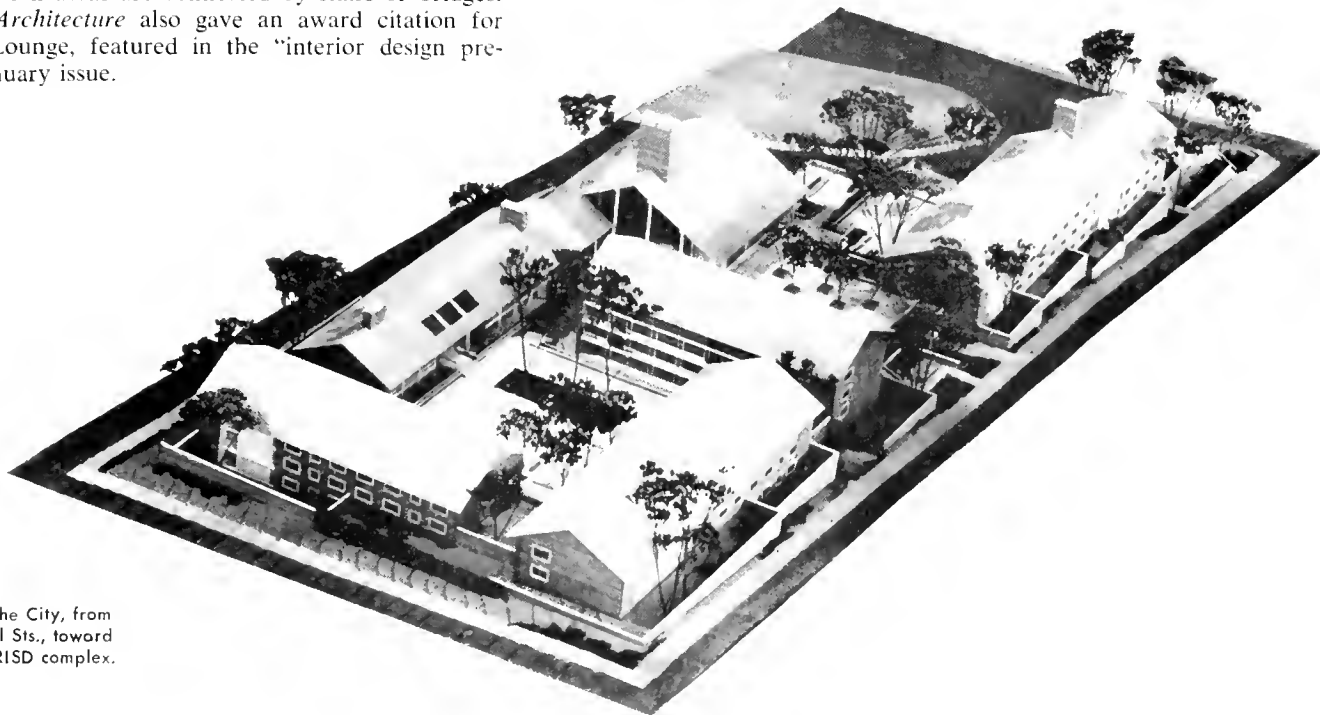
Time-honored surfacing materials—brick for the walls and slate for the roofs—harmonize with many historical buildings of old Providence in the immediate neighborhood. But the treatment is interesting and adventurous in the modern spirit. The architects were determined to avoid an “institutional”



appearance, blending quietly without being "assertive." The buildings are being kept to a minimum height on the street facades. A striking feature of the dining hall is its deep vertical louvers, affording protection from the sun on its broad glass facade. A plaza will include two pools, crossed by pedestrian bridges. All areas are connected by stairs or bridges.

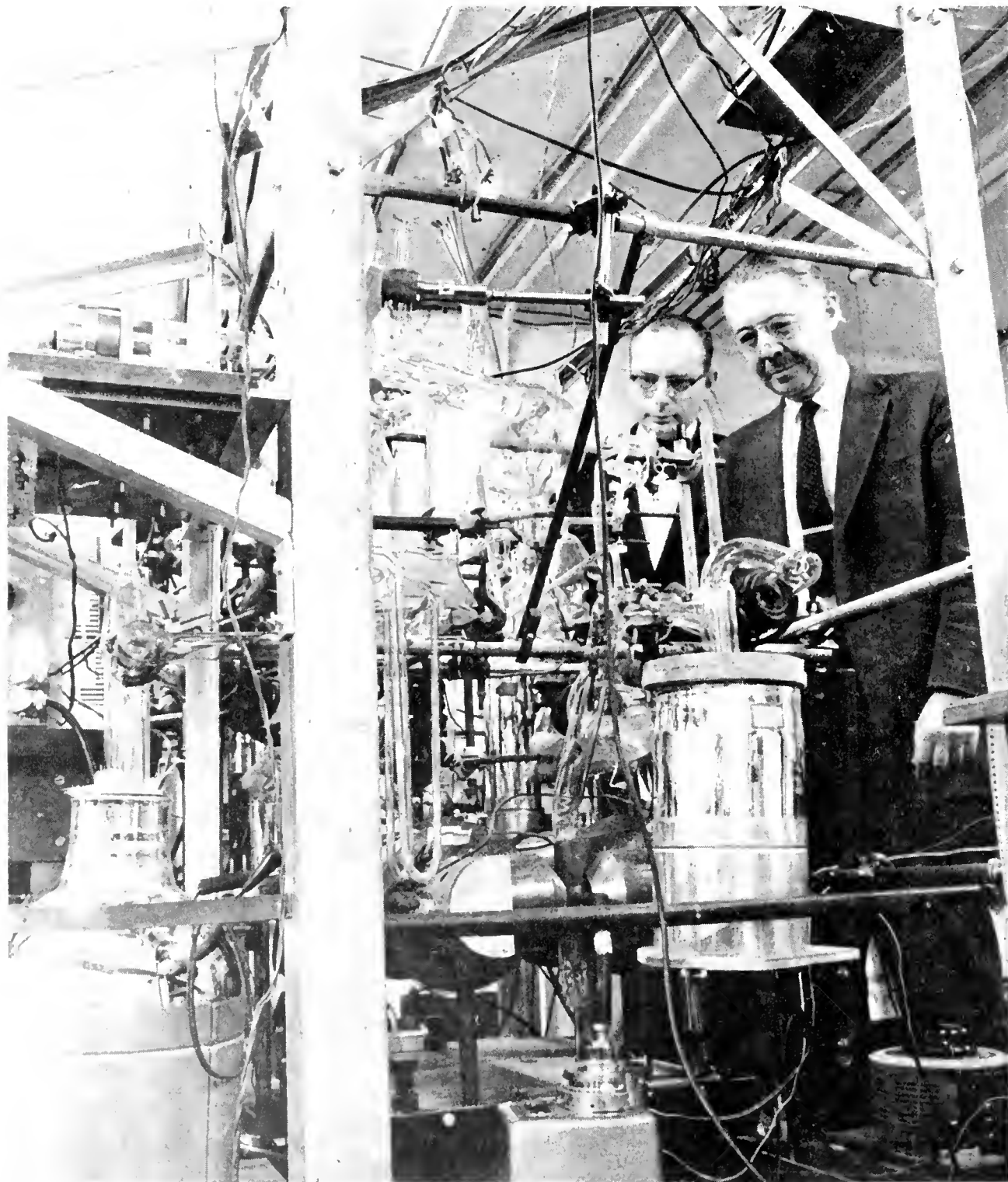
Progressive Architecture also gave an award citation for the Women's Lounge, featured in the "interior design preview" of its January issue.

DORMITORIES and Dining Hall for the Rhode Island School of Design show their orientation along lower Waterman St. First phase of construction has been completed, with students in residence. Photos are of model.



LOOKING toward the City, from Prospect and Angell Sts., toward the seven-building RISD complex.

A Bit More Complex Than Scrubbing Behind the Ears



APPARATUS for atomic cleaning used by Drs. John A. Dillan and H. E. Fornsworth of Brown, leaders in research on catalysis.

WHEN is something clean? The dirt-chasing housewife will accept one standard, abetted by the manufacturer of soaps and detergents. But Brown University scientists have carried the cleaning process far beyond the wildest dreams of the housewife. Seeking to learn the behavior of solids whose surfaces are free of all contamination, they are not even satisfied with a chemically clean surface. They insist that it must be atomically clean.

Because surface conditions of a material affect both its electrical and chemical properties, the study of really clean surfaces has assumed significance, both theoretically and practically. Take germanium and silicon, for example. The surface conditions of these semi-conductors, used in the manufacture of transistors, have been found to be of great importance. Dr. H. E. Farnsworth and his Brown associates are interested in "cleaning them up." Ways to protect such surfaces from contamination are being developed, and the search goes on for other materials of high purity for similar use.

Apparatus for "Atomic Cleaning"

Dr. Farnsworth is in charge of Brown Laboratory of Surface Physics and Chemistry. This is located in Barus Hall on Hope St., which an earlier generation at Brown knew as the "President's House." Here Dr. Farnsworth has developed apparatus for the "atomic cleaning" of solid surfaces within a vacuum, as complete a cleaning as can be obtained. The complete absence of atmosphere is a prime requisite in obtaining a clean surface, for the atmosphere has gases in it which may attack the metal surface chemically or affect it otherwise. The apparatus used for the cleaning and subsequent study of solids is essentially a long glass tube whose interior can be completely isolated from the atmosphere. It looks extremely complicated to the layman because it has a bewildering lot of branches. But each of them is essential to some phase of the research.

The laboratory deals almost entirely with single crystals—pieces in which the symmetrical atomic pattern characteristic of crystals is uniform throughout. The crystal is placed at a focal point within the tube, so that the air around it may be removed. A mechanical pump exhausts the bulk of the air, so that only one part in a million remains in the tube. The process is continued by a diffusion pump in which mercury vapor is circulated, picking up and carrying off additional bits of the atmosphere as it passes through. While this is going on, an electric oven is lowered around the tube to heat the crystal, forcing out particles of the atmosphere which are imprisoned among the surface atoms of the metal. These are carried away by the mercury vapor.

Sputtering or Sputtering

As the next step in the cleaning process, an insert gas such as argon is introduced into the tube at a very low pressure—about a millionth part of an atmosphere. Then an electric current is sent through the gas, bombarding the metal with positive ions. These knock off "a few hundred atomic layers" and just about all the contamination still clinging to the surface. This process is called "sputtering" by some scientists, others call it "sputtering".

The argon gas is pumped out, but the "sputtering" has left the surface atoms of the crystal badly disarranged. This condition is corrected by annealing at several hundred degrees by an electrical method, leaving a clean surface with the original crystal structure restored.

The crystal is now surrounded by as complete a vacuum as can be obtained, containing only a thousand billionth part of the atmosphere. A very simple device called an ionization gauge enables the scientist to measure the completeness of the vacuum. He determines the atomical cleanliness of the

surface by using what is known as "low energy electron diffraction", a technique first applied to this type of research on semi-conductors by the Brown University laboratory about six years ago.

An "electron gun" bombards the crystal with low energy electrons which are then deflected in certain definite directions by the lattice-like atom structure characteristic of crystals. By means of a small, double-walled box known as a Faraday collector, which the electrons enter through a tiny aperture, a pattern of diffraction is recorded automatically as the device is revolved about the crystal. The regular arrangement of atoms in the crystal is revealed.

The point of this technique is that such a record indicates when the crystal surface is clean. If it is contaminated, even slightly, the electrons may be deflected haphazardly and no pattern will emerge, or they may be deflected into a pattern different from that of the clean crystal.

When the Electron Tries to Escape

Having thus obtained an atomically clean surface, the scientist can go on from there. Known gases can be introduced into the tube and their effect on the metal observed. If the gas is oxygen, it can be determined when a true oxide will begin to form. It has been found that certain gas atoms set themselves down on the metal surface in crystal patterns whose structure is revealed by the low energy electron diffraction technique.

Dr. John A. Dillon, Jr., Assistant Professor of Physics, has been working with Professor Farnsworth for a number of years. He is carrying on research on the measurement of the "work function" of materials with clean surfaces. This is defined as the amount of work an electron will do to escape from a solid—a very tiny parallel to the amount of energy necessary to cause a rocket to escape from the earth.

One graduate student in the laboratory is studying the phenomenon of catalysis. This has to do with chemical action in which the catalyst remains virtually unchanged while it hastens reactions between other materials. The aim here is to learn the fundamental principles of catalysis, which to date remain somewhat obscure, and to determine conditions favorable to a high rate of catalysis. As in the study of semi-conductors, this research seeks fundamental principles. But it is also of interest to industry, which has up to now used rather hit-or-miss procedures for the discovery and use of catalysts.

A Vast Field May Be Opened

Clean surface research is, in a sense, just beginning. It has to date been concerned with only a few metals and semi-conductors, whose clean surfaces have been studied under a comparatively small number of conditions. Extension of the studies to other materials and to other conditions could open vast fields of research.

The research on clean surfaces at Brown, supported by a number of government contracts, has given its laboratory the status of a leading authority in the field. It has resulted in publication of numerous reports and technical papers. Professor Farnsworth last summer spoke on his work at an international Conference on Solid State Physics in Brussels and also at an international Conference on Semi-Conductors at Rochester, N. Y. He has been invited to read a paper on "Clean Surfaces" at a 1959 symposium sponsored by the Electrochemical Society, Inc. A number of industrial laboratories are interested in the research.

At the present time, the laboratory staff includes, in addition to Drs. Farnsworth and Dillon, two post-doctoral research associates and three graduate students. All of them are working on clean surface research, including a number of problems in addition to those mentioned.



HUMAN BIOLOGY Seminar ties it all together. That's Dr. Whitney.

9 Pioneers Like the New Major

IN DR. J. WALTER WILSON '18, Brown's Biology Department has a Chairman with practical enthusiasm and originality. He puts them to work. He is not averse to thought, drawing upon his experience, but, when the time has come to act, he acts. College had no more than opened in the fall of 1957 when he suggested that one of his associates, Prof. Jack B. Bresler, investigate the possibility of a new undergraduate concentration program. The idea would be to bring together common materials and methods from the Departments of Biology, Psychology, and Sociology to deal with a big topic toward which all could offer much: the place of man in time and space.

The project was developed, becoming a group effort to which many of the teaching and administrative staffs contributed to the successive drafts of the proposal. Finally named "Human Biology," the program was accepted by the Curriculum Committee on March 15, 1958. It had been proposed there jointly by the three Departments named above. The following were chosen to direct the new undertaking: Prof. Herman B. Chase of Biology, Chairman; Prof. Vincent Whitney of Sociology (with Prof. Harold W. Pfautz '40 serving during Dr. Whitney's sabbatical); Prof. Russell M. Church of Psychology; and Dr. Bresler, who became Secretary and Concentration Advisor.

There wasn't much time to advertise the new program, and the registration of nine students was considered remarkable in view of the fact it was announced only in the spring of the year. Ideally, future enrollment would be only 15 or 20, because two seminars are such an important factor in relating various portions of the program to each other and to the

whole. The nine students who signed on with such short notice have completed their first semester and sound very enthusiastic about the work that far.

The new program exhibits two interrelated themes: First, there is an intensive and sustained study of the evolution of man. Second, there is a study of the actions of various environmental influences which have affected man's development and continue to do so. Dr. Bresler says: "All else, as the traditional wise men would have it, is commentary."

Evolutionary study is interpreted in its broadest sense. The student receives historical perspective through the study of various aspects of geological successions, physical anthropology, and archaeology. Causal evolution is covered in the various ramifications of genetics. Related to this evolutionary study are the environmental influences (physical, biological, social, and psychological). These are interpreted in the broadest terms, and the student is made to realize that, though environmental factors may have different sources, the outcome can be similar. The student is urged to see the interplay among these influences. He is discouraged in any attempt to classify them into neat pigeon holes.

Ingredients of a Program

A similar point was made in one of the first statements made about the program, within a fortnight of its acceptance by the Curriculum Committee: "Like the lower organisms, man has been a product of the evolutionary forces but historically has had only an infinitesimal control over these forces. Unlike most lower organisms, man is faced with special problems of social relations. To some degree, at least, man does have control over these social relations which are most certainly affecting his future evolution. To study only man's biological evolution or only his social evolution is to study only part of the total picture. This program is based on the necessity of studying both of these major spheres."

You readily get a notion of the subject matter of this concentration when you look at the prescribed courses listed in the *Catalogue*: You take either "Human Heredity" or "Genetics" in Biology and then two of these three—"Comparative Anatomy of Vertebrates," "Embryology," or "Introductory

Physiology." You take "Statistical Methods" in Psychology, plus one of the following—"Psychological Testing," "Normal and Abnormal Personality," or "Social Psychology." Sociology's "Human Origins" is required, with two choices from among these—"Cultural Anthropology," "The Community," "Population and Migration," "Races and Minority Groups," or "Culture and Personality."

At first glance, you are surprised to note a final required course: "Analytic Geometry and Calculus." But, says one participating Professor, "one should not underestimate the need of mathematics and statistics in understanding modern research. The student or researcher without minimal training in calculus and statistics is cut off from many of the findings of modern analytical research."

Each element in the required core (Comparative Anatomy, Human Origins or Physical Anthropology, and Human Heredity) has a meaningful relevance to its neighbor. Despite the fact that they are presented in four different Departments (including Mathematics), they form a natural unit.

The interrelationship is pointed up in a seminar required in each of the upperclass years. The first, in the fall term of the Junior year, introduces the student to the general field of Human Biology. The second is taken in the spring term of the Senior year. It seeks to present descriptive and analytical methods common to the three main disciplines of the program and also to reconsider and correlate information previously acquired in it.

Implications of a Blood Type

The first such Senior seminar will be organized around the theme: "The Origin and Development of an Ethnic Group." It is first necessary to consider the larger population from which the smaller group has arisen. The characteristics of the larger population will stress the environmental, social, and psychological impact upon the gene flow within a relatively stable population. Next, what brought about the isolation of the small group initially? Sociological factors play a great role in the isolation of gene factors.

It has been discovered that in different populations there is a different ratio of the common blood types A, B, and O within them the dominance of one type seems to be a characteristic of a population. Does this play a part in the establishment of the ethnic group or is it merely coincidental? The students, then, will study what is spoken of as the Sewall Wright effect in small populations and speculate on its future implications for society. The ABO blood system will be reviewed intensively as part of this inquiry, and the students will be expected to read original sources in scientific and medical journals and books. Each concentrator will present an extensive paper pertaining to research on the blood system. In this first Senior Seminar the emphasis will be on the blood system; for seminars in later years, presumably other topics will be chosen.

The seminar will further study the factors which strengthen and maintain the isolation of a small population. These factors may be psychological, religious, and social—powerful agents which separate ethnic groups, comparable to the classical geographical isolation for other organisms. These factors in the physical environment which support initial social isolation will be recognized. The seminar will also analyze factors which could cause the ethnic group to dissolve, leading to the amalgamation of the isolated gene pool in other gene pools.

All in all, the committee believes there is opportunity here for an unusual approach to an interesting topic which crosses departmental lines.

The courses in Comparative Anatomy, Embryology, and Human Origins, it is believed, will contribute to the student's

understanding of man's development, his emergence upon the earth, and his relationship to other vertebrates. These courses also contain much material on other organisms and "should therefore supply the student with a modest biological background." The course in Genetics and parts of the Senior Seminar will supply the student with an understanding of the causes of organic evolution.

"Not enough," said the committee statement, "is known of environmental influences upon organisms in general and upon man's evolution in particular. Distinguishing those environmental effects which have bearing on man's evolution and those which do not is a challenging and tantalizing problem."

And, Incidentally, for Pre-Meds, Too

The student will be able to acquire introductory comprehension of the impact of climate upon man's genetic makeup, for parts of the Senior Seminar and the Genetics course will stress the effect of non-biological environment. Man's individual and community behavior also create an external environment which has a considerable effect upon his social and possible organic evolution. The student would be made aware that examples of cooperation and conflict are found in studies of Biology, Sociology, Psychology, and Anthropology. Some of the courses would be informative here: "The Community," "Population and Migration," "Normal and Abnormal Psychology," plus parts of the Senior Seminar already mentioned.

Incidentally, the new program in Human Biology may well prove of especial interest to some premedical students. Officers of a number of medical schools have expressed enthusiasm about it. Dr. James W. Bartlett of the University of Rochester, for example, has written: "It should be of great help to students who later go on to study medicine to have an opportunity to view the course of human development in the unitary, though multi-faceted approach the program proposes. We have found that customarily our students, though they may have had a sound preparation in Biology, Psychology, and Sociology, often do not realize the phenomena which they have studied in each discipline are fundamentally different aspects of the same things."

Dr. H. L. Shapiro, Curator of Physical Anthropology at the American Museum of Natural History, wrote: "I am delighted to learn of your program in Human Biology. I find it very encouraging to see the spread of the gospel."

In the group of nine Brunonians who are pioneers in the program is one Senior, whose earlier courses qualified him for it. He has already been accepted for medical school at Johns Hopkins.



DOUGLAS SANDERSON '59, left, will be the first graduate in Human Biology. Dr. Bresler, right, is the Concentration Advisor.



DAVID JONAH has played a major role in an unusual success story.

PICKUP IN PUBLISHING

The Brown University Press Feels
the Stimulus of Bicentennial Plans

THIS is a crazy kind of success story—about an enterprise that, more often than not, loses money. Somehow that aspect of the operation isn't the important one, for its value, like so much around a university, lies in something else. We're talking about the Brown University Press, which could not have survived without subsidy but which justifies itself in distinguished scholarly service, taking its rewards from achievement.

Too few Brown men know of its activities. In fact, an alumnus wrote not long ago to ask if we had a University Press at Brown. Probably it's our fault that he was not aware that it had been in business for more than 25 years and could be proud of its titles in that time. At any rate, we went over to Prof. David Jonah, the University Library, for no one is more closely involved in the Press than he. We had wanted to talk with him, anyway, about the growing number of books which bear the Press imprint. Moreover, with the Bicentennial coming along, we knew that the Press would play an even more important part as publication is stimulated by the anniversary.

Cicero: Some Brown "Angles"

We got some notion of what is going on right at the moment. On Professor Jonah's desk, for example, were the page proofs of Herbert Couch's newest book: "Cicero on the Art of Growing Old." The Brown Classicist is famous for the felicity and grace of his translations, and here was a new translation and "subject evaluation" of the Ciceronian essay entitled "Cato the Elder on Old Age."

Hundreds of Brown men are familiar with the excerpt from "De Senectute" alongside the Van Wickles, but it is an association item for more reason than that. Professor Couch's foreword says that the book grew out of discussion groups in Brown's IC courses, which "clearly demonstrated that young students would respond eagerly to the ideas included in a great classic and would with intelligence and zeal pursue lines of inquiry back to their source and forward to their current application." A. H. Stockwell, Ltd., of England will be associated with the Brown University Press in the publication of the book, which bears a dedication to "E. C. M." (Those are the initials of Elisha C. Mowry, Secretary of the Class of 1904.)

Another book which has reached the page-proof stage is the biography of William L. March, 1808, one-time Secretary of State, entitled "The Victor and the Spoils." It is the work of Ivor D. Spencer '32, who received his Brown Ph.D. in 1941 and is now Chairman of the Department of History at Kalamazoo College.

In the hands of the printer in France is a book based on the letters of Emil Zola to Henry Céard which are now in the John Hay Library. The letters, previously unpublished, were edited "avec éclaircissements et notes" by Prof. Albert J. Salvan, who also provided the introduction. The book will be No. XXII in the special series of "Brown University Studies." Another work in proof is by Prof. Richard A. Parker of Brown's Department of Egyptology: "A Vienna Demotic Papyrus on Eclipse- and Lunar-Omina."

Many Are by Faculty Authors

These four works illustrate certain aspects of Brown University Press policy. They have some connection with the University. They happen to be by members of the University Faculty, although the Press has also put into print lectures by visiting scholars. An example of the latter was the 1958 book by George L. Bach, "Inflation: A Study in Economics, Ethics, and Politics." This was based on the 1957 Colver Lectures at Brown.

Don't misunderstand us. The books of the Brown University Press have been comparatively few, for the publication

of scholarly works is an expensive business. There is no tremendous popular market for "Late Babylonian Astronomical and Related Texts," copied by T. G. Pinches and J. N. Strassmaier and prepared for publication by Prof. A. J. Sachs with the cooperation of J. Schaumberger (1955). The volume consists almost entirely of reproductions of clay cuneiform tablets that recorded Babylonian observations of the heavens. To understand it, one would need to be both an astronomer of sorts and a student of ancient language. There were 500 volumes printed. On the other hand, the famous work of Prof. Otto Neugebauer on "The Exact Sciences in Antiquity" had to be brought out in a second edition in 1957.

You won't find either on any best-seller list in your Sunday literary supplement. Still, there are real rewards in publishing small editions of important scholarly works. Professor Jonah reminds us that the subsidies of the Press provide "the only way that many of the most worthwhile things can be published."

In theory, the Press might be able to charge enough for its books, no matter how limited the printing, to cover the costs. But such a policy would destroy one of the goals of the operation. "We're more interested in publishing works at a price people can afford to pay than we are in making money," Professor Jonah says. "Many of our books couldn't be published commercially. Yet the University would very much like to expand its publication." The most expensive book the Press has published to date sold for \$7. The number of copies printed has ranged from 400 for a text of limited interest to 2,750 for one of the "more popular ones."

Consider the Case of Chivers

Some of the books are items which Brown University is peculiarly fitted to sponsor because of the richness of its source material or the qualifications of the authors. Take, for example, the first volume of the "Complete Works of Thomas Holley Chivers," edited by Emma Lester Chase and Lois Ferry Parks. This contained his correspondence, published on the eve of the centennial of Chivers' death. Other volumes in the series will be his unpublished manuscripts, his uncollected contributions to periodicals, and his poetry as published in book form during his lifetime.

The late Prof. Lewis N. Chase, to whom the 1957 volume was dedicated, was perhaps the first Brunonian to work intensively with the Chivers material. Prof. S. Foster Damon began to collaborate with him and brought out the first biography in 1930: "Thomas Holley Chivers, Friend of Poe." Upon the death of Dr. Chase in 1937, all collected materials were left with Professor Damon. A new associate was found in Dr. Charles H. Watts, II, '47 (now Dean of The College); he wrote "Thomas Holley Chivers. His Literary Career and His Poetry," published in 1956. Damon and Watts are general editors of the "Complete Works."

"Chivers was not a great poet," Dean Watts has said, "but he was a very good poet, one who could occasionally rise to heights of music and lyrical expression rare in his time. Subject to the influences of contemporary literary taste, but surprisingly his own master in matters of poetic form and diction, Chivers presents the picture of a poet with touches of genius who was not at home in his own time."

"His frequent and almost aimless travels among the literary circles of the Northeast bespeak a desire to find not only with an audience but also the kind of professional, literary friendships which would provide him with appreciation and serious, critical attention. Only once, in his friendship with E. A. Poe, did he achieve this kind of contact, and even then one suspects that Poe was using Chivers to further his own ends."

"He wrote poetry furiously all his life, published it in magazines or in volumes which he subsidized himself, and died convinced the world had neither understood nor appre-

For Brown Bookshelves

OUR SURVEY of the activities of the Brown University Press reminds us rather pointedly that many a book by Brown alumni and teaching staff has been neglected in the pages of this magazine. We are glad, therefore, to report our intention to do better in future through provision of a regular department of book reviews and notices. Prof. Elmer M. Blistein '42 has agreed to undertake direction of this department, enlisting the aid of colleagues and alumni. We expect to see evidence of his activity in an early issue. Such an announcement, we trust, will be welcomed by our readers and particularly by so many Brunonian authors whose books have deserved better treatment at our hands.

ciated him. In a sense he was right, for his poetry made too much use of verbal music to rest comfortably with his contemporaries. For the student of poetry and for the cultural historian Chivers presents a fascinating figure, moving in the just sub-literary areas common to all times, knowledge and understanding of which commonly dies with the generation. In Chivers the scholar has a unique opportunity to reenter that sub-literary world without leaving true poetry behind."

One might go into similar detail about other books in the Brown University Press catalogue, but the Chivers project will serve to suggest that importance, even if not widely appreciated, may attend them.

Scholars and Their Interests

Brunonians will find on occasion that the author was a favorite member of the Faculty. Prof. Robert W. Kenny '25, for example, edited "The New Zealand Journal, 1842-44, of John B. Williams of Salem, Mass." and provided the account of his life. Prof. Robert G. Noyes '21 has two titles on the list, companion works: "The Thespian Mirror, Shakespeare in the Eighteenth-Century Novel" of 1953 and last year's "The Neglected Muse, Restoration and Eighteenth-Century Tragedy in the Novel (1740-1780)."

Had Prof. William T. Hastings '03 not been "a crank on the early history of Phi Beta Kappa" and been drawn by a "beguiling contradiction," he might not have attempted to solve the mystery of a man who was a student at Brown in the 1790's. But "Conrade Webb of Hampstead" was the result, a delightful bit of biographical excavation which the Press published in 1958.

Other titles of last year include: "Rhode Island Politics and the American Revolution, 1770-1776" by Prof. David S. Lovejoy, and "Migration and Economic Development in Rhode Island" by Prof. Kurt B. Mayer and Prof. Sidney Goldstein. One of the books most in demand has been "Wriston Speaking," a 1957 publication of selected addresses by the President Emeritus during his 18 years on College Hill. Another 1957 work was "Samuel Johnson in Grub Street" by Prof. Edward A. Bloom. And so it goes, but enough has been cited to suggest the vitality of the Press in its present phase.

On Other Publishers' Lists, Too

The Press has no printing shop of its own. The work is farmed out to various firms, some of them local and some as far away as Denmark, France, and Great Britain. But, as Clarence Day, Jr., said as long ago as 1920, "Any great university might well be proud to go into publishing."

The limited output has by no means included all of the books published by Brown Professors. In many years the total Brown contribution to literature and scholarship in the form

of books equals in number the record of the Brown University Press in its first 25 years. Sometimes, as Professor Jonah points out, the Press cooperates with other university publishers in a common cause. Such a manuscript was that of Prof. James Peters on "Tree Snakes of South America," printed by Brown in conjunction with the University of Michigan Press.

The Brown University Press dates its existence from 1932, although some titles still available carry an earlier year. Some of the items are "Brown University Papers," like the 41-page Marshall Woods Lecture on "Roger Williams" by Dr. Lawrence C. Wroth in 1937. Professor Damon brought out a series of 50 songs, boxed, in his "Series of Old American Songs," reproduced in facsimile from original or early editions in the Harris Collection, of which he has been Curator. One volume, though only multilithed, gave 466 pages as a "Contribution to a Union Catalogue of Sixteenth Century Imprints in Certain New England Libraries." Still in demand are the 1927 collection of Lincoln letters in the John Hay, which had not previously been published, and the 1922 Catalogue of the Hoffman Napoleon Collection, given to Brown the previous year.

Editorial responsibility for the Brown University Press is vested in the Faculty Committee on Scholarly Publications. The Librarian is Chairman, while the Dean of the Graduate School, Dr. R. B. Lindsay '20 is also a member ex officio. The others are: Profs. Robert T. Beyer, Richard C. Taylor, and Edward J. Brown.

Acceleration for Our Anniversary

We spoke of increased activity in connection with Brown's celebration of the Bicentennial. A special committee under the Librarian's direction proposes to publish two series of studies. One will be devoted to topics of Brown interest, while the other will include distinguished scholarly monographs written by members of the Brown community and others.

Already in manuscript is Dr. Wroth's "Architectural History of University Hall," which will doubtless be the first of the Bicentennial items to appear. Prof. Gilbert E. Case '25 is beginning this semester on a biography of President E. Benjamin Andrews, a work long needed. Dr. Wroth has also started on a revised and expanded edition of Bronson's "History of Brown University." Dr. George W. Potter '21, Pulitzer prize-winning editorial writer of the *Providence Journal-Evening Bulletin*, has consented to undertake another volume which would cover Brown's history from 1900 to 1950, the exciting period of Faunce, Barbour, and Wriston. Prof. James B. Hedges has agreed to write a biography of Nicholas Brown, while Dr. Kenny proposes to edit for publication Benjamin Bowen Carter's biography of James Manning, the first President. Carter's original, unpublished manuscript is in the Annmary Brown Memorial.

Other manuscripts have been promised: Prof. George K. Anderson will write "The Legend of the Wandering Jew." This study will be based on the collection formed by W. Easton Louttit '25, University Archivist, who recently deposited it in the John Hay Library to expedite Dr. Anderson's work. Bradford F. Swan plans an edition of the letters of Roger Williams. In another area are: "The Brooklyn Museum Oracle Papyrus," edited by Professor Parker, and "Egyptian Astronomical Texts," in two or three volumes, by Professors Neubegauer and Parker. Although all of the projected works may not be issued by the Brown University Press, other publishers will be expected to identify them as Brown Bicentennial Publications.

P.S. The Brown University Press will be glad to provide a "Catalogue of Books in Print" on request to Box A, Brown University, Providence 12, R. I. Prices and other information about the offerings are available.

Josiah on the Verge

*With Friday the 13th
Twice Imminent,
It's Time to Hear
Again from Brown's
Roaming Eccentric*



CARBERRY in a characteristic departure. "They call the wind Josiah."

JOSIAH S. CARBERRY thinks that whoever planned 1959 did a much better job of it than was the arrangement in 1958. This year will have no less than three Carberry Days, while 1958 could boast of only one—and that after the University had said goobye to its students in June. One of the reasons for the superlative quality of 1959 is that the first Friday the 13th (Carberry's own, always) will come in February. The second will come only a month later, since February (Yale calendars to the contrary notwithstanding) has 28 days.

What of it? Do we need to go into that? Either you are a devotee of Professor Carberry (1929-) or you wish he had never been invented. If he bores you, read no further, for this article is an attempt to brief his friends on his most recent exploits. In any event, he advised that the usual collection will be taken for the Josiah S. Carberry Fund on both Feb. 13 and Mar. 13, Fridays. This follows the suggestion that accompanied the original \$101.01 which established the Fund, urging "alumni, students, friends of Brown University and other unfortunates to donate anonomously (sic) to the Fund such small change as they might have on their persons each Carberry Day." Brunonians and others have been playing the game since.

Jaw-Bone or Thigh-Bone?

The Fund which bears the name of Brown's most outrageous scholar is being allowed to accumulate until it reaches \$1313.13, which amount suggests that it will become substantial. Thereafter, its income will be made available to the University Library, such money restricted to the purchase of books "of which Professor Carberry might or might not approve." Gag or not, the Fund is officially listed in the

Treasurer's Report under the "Expendable Funds of the University—for Educational and General Purposes." Counting decimal places, the total is well up into five figures.

Carberry, of course, is not idle between his Days. He has communicated with us from Rome, Albuquerque, Folkestone, Cape Canaveral, Moscow, and Olneyville rather recently. One blithe letter came from Old Gaza, in Palestine, where (by coincidence) K. Brooke Anderson is working with Arab refugees. Carberry reported that he was excavating in an effort to prove that Samson used, not the jaw-bone of an ass, but a thigh-bone in his assault upon the Philistines. "If," Carberry wrote with impressive logic, "if you have ever used a thigh-bone, and what boy hasn't, you will recall that it has a good handle, while a jaw-bone is most difficult to grasp, much less to fight with." Among the discoveries at the diggings thus far, it seems, has been a Greek coin said to bear the date "44 B.C." Carberry did not send that coin, but he did forward other items of interest to Brown's Department of Egyptology.

Instead of mailing loose coins from Egypt last Carberry Day, one Brunonian decided to send stamps instead—less postage would be required. He suggested that we prevail upon some amateur stamp-collector to offer hard cash in return for the blocks. Alumni in other lands, he thought, might be similarly encouraged to send blocks of their local stamps toward the Carberry Fund, in lieu of pennies or piasters.

Carberry continues to break into print, in spite of the growing alertness of editors, including those of the *New York Times*. *Electronics* magazine last April carried a letter to the editor in which the Professor commented on the public clamor for the Government to do something about education.



COLLEGE HILL in 1959. A view from a downtown skyscraper reveals some familiar landmarks.

"If we are to breed a generation capable of mastering their own portions of the technology," Carberry wrote, "it's the people who are going to have to 'do something.'" Joseph Salvatore '54 of the Controls Systems Lab at the University of Illinois was so impressed with the depth of Carberry's thought that he proposed the Professor be elected an honorary member of the Brown Engineering Society on June 13. We have had no notification of any action to that effect.

American Scientist for June carried an essay by Nicholas Vanserg on "Mathmanship" which dealt with such gay possibilities as a Pi-throwing contest, the unconsummated asterisk, or the ill-starred letter. One successful device in mathmanship listed by him was to leave out one or two pages of calculations

and for them substitute the word "hence" or "obviously." We can't go into the whole discussion but mention merely that the references included: Lewis Carroll, Stephen Potter, and "Carberry, Josiah: *Psychoceramics*, page 1167, Brown University Press, 1945." On the strength of this notice, there were several bona fide orders received for copies of the Press publication. The Librarian of one of America's largest and most technological corporations wrote: "One of our division chiefs is very much interested in seeing this work. It certainly isn't very definite, as thus far we have not been able to locate it." Nor has the Press.

Carberry attended the last VFW Convention, tended bar (with identifying badge) at the summer outing of the Brown Club of Chicago, and socialized otherwise in all parts of the world, if we are to believe the inscriptions on postcards. But the scholar still dominated his personality. He wrote from Belgrade that his interest in ceramics includes headstones, and this led him to the field of comparative religions. He offered some incredible references to the cult of the Bogumiks.

Studying the origins of the North American Indians in Charlotte Amalie, Carberry wrote that he was investigating a small tepee pictured on the postal. (It looked very much like the Virgin Isle Hotel.) A bill rendered by the Brown University Club in New York to Professor Carberry included an item for \$306 worth of theater tickets. Fortunately for the solvency of the Club, its agent had held out for cash, though. "No shirtee, no tickee," he said, waiting for the collateral pass. Carberry pretended not to understand, then countered with: "Oh, you want a down payment? Well, I'm no duck." And he did.

Playboy magazine wistfully tried to collect on a subscription ordered for Carberry, if not by Carberry. But Carberry's policy has always been to pay no cover charges.

Well, the Brown Jugs will be out at strategic spots on the Campus on Feb. 13 and Mar. 13. If you're passing by, won't you drop in that "small change"? And don't spend it all on the 12th.

A Proclamation

WHEREAS it has become a tradition of long standing* at Brown University and also among its alumni, students, and friends anywhere to observe as Carberry Day the 13th day of any month which falls upon a Friday, and

WHEREAS it is also a tradition of long standing* that such observance shall be accompanied by an offering to Brown University of such small change as they might have upon their persons, and

WHEREAS February, March, and November in 1959 will contain such a Friday the 13th,

NOW, THEREFORE, do I, Josiah S. Carberry, being as sound of body and mind as ever, do proclaim the observance of the 13th day of February, March, and November, 1959 (a Friday, in each case) as Carberry Day. So there.

JOSIAH S. CARBERRY

* Since January 13th, 1976, a Friday.

How Lackawanna Introduced the Schoolboys to Brown

By NORMAN E. WRIGHT '49

MORE THAN 100 were present in Summit, N. J., when Brown men were hosts to potential Brown men. Most of the latter were Seniors at nearby high and preparatory schools; a few were Juniors. They had indicated an interest in Brown when Admission Officer Arthur R. Taylor '57 called at their schools.

The occasion was the annual Sub-Freshman Meeting of the Lackawanna Brown Club; the place, the Beacon Hill Club in Summit. The date was Dec. 20, carefully chosen so boarding school students would be at home and so some of the local Brown undergraduates could help to entertain. And 2 to 4 o'clock on Saturday afternoon was picked as the most convenient time of the week. (See next pages for photos.)

Fathers were invited to attend with their sons. It has been indicated in the experience of this Club that the most effective appeal to Sub-Freshmen is directed at father and son, together. Not only is a prospect's father in the best position to advise him, but he usually is better able to understand the value of a liberal education. In fact, most candidates, including many with the capacity to benefit greatly from a Brown education, are unaware—perhaps understandably—of what Brown offers. "Is it true", one high school Senior asked, "that Brown is outstanding for its training for the Diplomatic Service?" This innocent but confused question emphasizes the need to talk to secondary school students about the nature of higher education and about just what Brown can offer them.

The day's program packed Brown into every corner of two hours. Club President John H. Kreidler '38 welcomed guests briefly and introduced Prof. John Rowe Workman of the Classics Department. Dr. Workman, hindered only slightly by laryngitis, spoke for 25 minutes, outlining Brown's new I.C. program and explaining the division of liberal education into the three elements of man's inquiry: Physical Sciences, Social Sciences and the Humanities. Then Taylor presented in a most entertaining manner the educational advantages of a "university college" like Brown over a larger university or smaller college or, in fact, over any other institution. During a 10-minute recess, "cokes" were served, and alumni and undergraduates mingled with their guests.

The *Brown Newsreel*, a University film (with sound track) depicting highlights of the 1956-57 academic year, occupied the half-hour after intermission. Although well done and of interest to alumni, this Club would not again use the film in its Sub-Freshman program. It is felt here that colored slides of campus scenes, which have been shown in the past, serve better as an introduction of a stranger to the University. (Fine for alumni, of course.)

The last half-hour of the program was reserved for questions. Whereas most of the boys were acquainted with nearby universities, fewer than half had visited the Brown campus. Questions reflected the

need for this kind of public relations: "Does Brown have a geographical quota system?" (No.) "What percentage of undergraduates belong to fraternities?" (45.) "Is there a limit to the number of applicants Brown will accept from a single school?" (No.) "Is scholarship aid available?" (When needed, yes.)

Informal conversation and questions continued after the 4 o'clock adjournment. Hosts and guests alike seemed to be in agreement that they had spent an enjoyable and worthwhile two hours.

Commentary on the meeting, heard since Dec. 20, has been very favorable, and those who arranged the program are pleased with the immediate results. One area in which improvement is planned for next year, however, will be an earlier start (in September) to compile an invitation list, eliminating those who do not qualify for

admission and making additional efforts to include all the best prospects.

Despite the concentration on the annual meeting to which prospective students are invited, that is only one part of the Lackawanna Brown Club's Sub-Freshman program. Certainly as important a part is its work with the 18 secondary schools in the Club's area.

To each local school is assigned an alumnus, preferably one who lives nearby and who may have an interest in the school as the father of a student. It is his function to represent Brown to that school's guidance officer and principal. He makes himself available to answer questions and talk to prospects. He encourages the counsellor to have his best students apply to Brown. The relationship at best calls for rapport, which must be developed carefully and often slowly. Wherever possible, guidance people have been taken to College Hill for a meeting with Admission Officers.

The Lackawanna system is a distillation of 10 years' experience. Although no claim of perfection is made here, this year's program was the Club's most successful yet. It was planned more thoroughly than the others, and there is good reason to believe that the additional efforts were translated directly into additional interest in Brown.

The Brown Clubs Report

Washington Is Active

ABOUT 100 Brown men and Pembroke in Washington enjoyed cocktails and fellowship at the Congressional Room of the Willard Hotel on Dec. 20. Among those present was Senator Theodore Francis Green '87, just released from the hospital after eye surgery. It should be noted that the Senator is one of our most regular and most ardent members.

The Brown Club of Washington, D. C., has been an active place this season. On Thursday, Oct. 23, a new series of monthly after-business cocktail hours was launched. Henry Niven '50 and Dick White '50 are serving as chairmen for these events. Hosts at the first affair, attended by about 30, were Thomas G. Corcoran '22 and Judge Norman O. Tietjens '25. Special guest was Dean Edward R. Durgin, who enjoyed renewing his acquaintanceship with many old shipmates from his ROTC days. Held at the Occidental Restaurant, these informal affairs run from 5 to 7 p.m. on the third Thursday of each month.

On Friday, Oct. 24, at the Army-Navy Club, a spirited and attentive group of about 30 listened to a very interesting chat by Provost Zenas R. Bliss '18. He described some of the new things "going on and up" on the Hill. An equally attentive but decidedly more spirited group of sailors, led by former National Champion, Charlie Ill '49, later cornered the Provost for a lively discussion of the Newport Cup races, a discussion that lasted into the wee small hours of the morning.

DICK WHITE '50

Ivy Dinner in Trenton

THE FIFTH annual dinner of the Ivy League Club of Trenton will be held on Feb. 19 at the Washington Crossing Inn, Washington Crossing, Pa. This year's pro-

gram will be featured by a talk by Dr. John L. Kennedy of the Princeton Psychology Department and the presentation of the Club's fourth annual silver tray award to the captain of the Ivy League Football Champions. Alvin Krutch, Dartmouth's 1958 leader, will be on hand to receive the award. Brown alumni on the general committee planning the event are Ira Keats '51 and Willard C. Parker '42.

New Bedford Visitor

ARTHUR R. TAYLOR '57, Admission Officer, was the featured speaker at a December meeting of the New Bedford Brown Club. Speaking before a large group of alumni and high school students from the area, he described the advantages and disadvantages of large and small colleges. In addition, he showed a number of slides depicting student life at Brown. He closed with a general discussion of the value of a liberal arts education.

Howard W. Young '44, Club President, presided. In addition, the following alumni attended: Jack M. Rosenberg '42, James P. Lawton '31, Philip Bronsiegel '36, Edward Burkle '38, Chester M. Downing '18, Leonard D. LeValley '39, Robert M. Purington '34, Martin Miller '49, Joseph M. Souza '50, Herbert M. Savit '49, Lloyd Brightman '50, John J. Bauer '25, and John B. Riddock '18.

Fall River Elects Kozak

FRED KOZAK '50, Assistant Purchasing Agent at Brown, was elected President of the Fall River Brown Club at its fall meeting held at White's Restaurant on Oct. 30. Other officers elected are: Vice-President—Robert S. Murray '51; Secretary-Treasurer—C. Frank Gifford '12.

Outgoing President John F. Dator '50
(Continued on page 31)

Sub-Freshman Night in Jersey

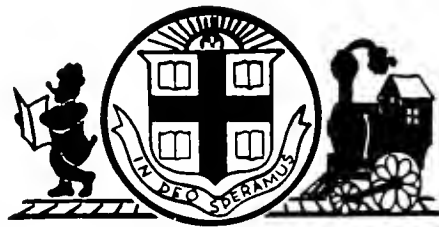


AT SUMMIT'S Beacon Hill Club the alumni and their guests watched films, heard talk of College Hill, and (below) got to know each other.

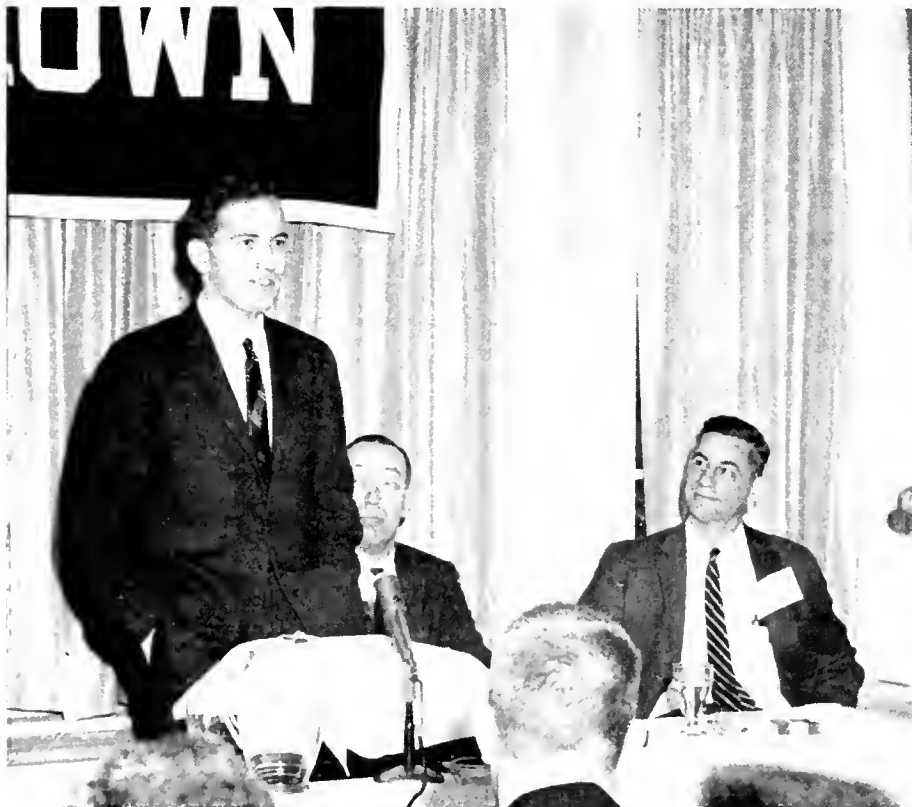




STUDENTS from Chatham High School are greeted by Jock Kreitler '38, President of the Lackawanna Brown Club, and Past President Ted Montigel '30. Montigel is the new Treasurer of Bell Labs; his son is third left.



LACKAWANNA insigne (from letterhead).



PORTRAIT is that of Melotiah Everett, Brown 1802. Dwight Moson '61 is his great-great-great-grandson. Dwight's father, Prof. Newell O. Moson '27 of Stevens Tech, holds a program of the 1802 Commencement of Rhode Island College, listing Melotiah Everett as giving "an Oration on the Necessity of Science and Virtue to the Support of Good Government." Boy at left is James Ludlow, Pingry Senior.

ADMISSION OFFICER Arthur Taylor '57 answered questions after briefing the guests on Brown. Prof. John Workmon, center, was the principal speaker, talking about the IC program. President Kreitler at right.

BUT THEY WON SOME BIG ONES

50-50 in Basketball

AFTER OPENING with wins over Tufts and Trinity, Coach Stan Ward's basketball team dropped five successive games to Providence College (72-48), Rhode Island (65-52), Yale (76-73), Boston College (67-54), and Boston College again (98-78) before rallying to defeat Colgate (70-65), Providence College (72-64), and Harvard (68-63). Thus, after 10 games, the overall slate was 5-5, while the Ivy record stood at 1-1. Four of the first 10 games were played against two of the top teams in New England, if not in the East, Boston College and Providence College. (Just before exams, Brown scored its first victory over Penn, but bowed at Princeton.)

Prior to the start of the season, Ward stated that his two biggest problems would be developing a better team defense and finding front-line depth. At the 10-game mark, indications were that the coach was moving toward a solution in both categories. A year ago, the Bruins averaged 64.8 points per game while allowing the opposition 79.2. In the early going this season, Brown raised its average to 65.9 and held the 10 opponents to 67.7, an improvement in the point differential from 14.4 to 1.8 and better than an 11 point per game improvement on team defense. Only a streak of poor ball-handling and erratic passing kept the improvement from being even greater.

It was felt that depth would be a problem in the front line, where Capt. Al Poulsen and a pair of Juniors, Dave Reed and Cliff Ehrlich, formed a satisfactory starting unit. However, two men came along fast to help the situation: Pete Kallas, a 6:5 Junior from Niagara Falls, N. Y., and Forrest Broman, a 6:3 Sophomore from West Bridgewater, Mass. Kallas, a battler under the boards and a steady defensive player, developed into an able replacement for Poulsen at center. Broman became a swing man, replacing either Reed or Ehrlich at the forward positions. As a high school player, Broman was the most prolific scorer in Massachusetts history with 725 points in his Senior season and a three-year total of 1,773. He was the number two scorer for the Freshman five, averaging 16.5 points per game, and he has been especially effective this season hitting from the outside against zone defenses.

Another problem, a less serious one, concerned the guard positions, where no less than 15 men were in competition. By the Christmas vacation, Ward had settled on five men: Juniors Jack Bellavance and Al Diussa and Sophomores Roger Hurley, Chris Mitchell, and Dave Remington. Bellavance moved into a starting berth for the Bears midway through his Sophomore season and ranked second in field goal percentage with a .418 average. Diussa is one of the toughest defensive

players among the back-court men and he is especially effective against a zone with his one-handed shot from outside. Hurley, the leading scorer from the Cubs a year ago with a 19.3 average, is an intense competitor and real hustler. As a school-boy he rewrote the scoring records at Ramsey High and won All-New Jersey recognition. Mitchell, an excellent defensive player, was Captain of the Freshman team and averaged 12.1 points per game. Remington, with a good prep school record at Andover, missed most of his Freshman season due to a leg injury and has been retained due to his hustle and potential.

"With these 10 men as my nucleus, I think the Brown squad will come along well and develop into a representative team down the stretch," Ward stated. "With each game they are showing improvement in the little things that mean so much to a ball club."

A Look at the Games

In the first meeting with Providence College, a team with national ambitions in basketball, Ward employed a 1-2-2 zone defense and bothered the Friars for the first 10 minutes of the game, during which time Brown built up an 18-12 lead. However, some poor ball-handling gave the Friars more opportunities than a good club should get and P.C. pulled into a 37-26 lead at halftime. Bothered by the shifting zone defense put up by Coach Joe Mullaney's crew, Brown could get few good shots the rest of the way. Poulsen paced the scorers with 14 points.

Using a four-man zone with a one-man chaser to cover Rhode Island's sharp shooter, Tom Harrington, the Bruins seemed on their way to a victory over the Rams. The Wardmen led 30-25 at halftime and further increased the lead to 35-28 before Rhody got hot and hit for 10 straight points from outside for a 38-35 bulge. When this forced Brown out of its zone, Rhode Island resorted to a clear-out and sent its speedy guard, Harry Edmonds, driving down the middle. He scored 22 points in the final 14 minutes of the game in lay-ups and by converting the fouls he drew on his drives. Poulsen again led the way with 20 points.

Getting 33 points from its 6:10 center, Gerry Glynn, Yale nosed past Brown 76-73 at Marvel Gym in an Ivy League opener that was anyone's game until the closing seconds. As against Rhode Island, Brown led at the half. However, Poulsen was charged with his fourth personal foul three minutes after the start of the second half and was given an enforced rest. Then Glynn, with much less opposition under the boards, got hot from the floor and helped pull Yale into a 55-49 lead, one that the Bruins often threatened but never quite could overtake. Each team hit for 28 field goals but Yale had a 20-17 edge



DAVE REED, one of Ward's Junior starters.

at the foul line. Ehrlich had 21 points for Brown and Hurley had 14.

The Bruins put up strong games in each of the losing efforts against talent-laden Boston College. In the first tilt, the once-beaten Eagles shook off a determined Brown quintet in the final 10 minutes for the 67-54 victory. Boston's lead was only 42-39 midway through the second half. Dave Reed's 13 points was tops for Brown. In the second meeting, the opener of the Providence College Christmas Tournament, Boston built up a 21 point cushion before Sophomore Hurley got hot and helped Brown cut the deficit to seven points with five minutes to play. A late Eagle rally iced the game. Hurley sank 10 of 12 field goal attempts and hit 12 for 12 from the foul line.

Revenge on the Friars

In the consolation game of the holiday tournament, the Bruins broke back into the win column with the 70-65 victory over Colgate. The Red Raiders set up a zone that bothered Brown and raced off to an 11-4 lead. However, Ward sent in Broman and Diussa, and they combined to break the zone with some sensational outside shooting. Another strong factor in Brown victory was the fine play of the big man, Capt. Poulsen. After being held to five points against Boston College the previous night, he came back to pour in 24 against the Red Raiders, the highest total of his career. Ehrlich had 14 points, while Diussa and Broman each had 10.

In one of the biggest upsets of the New England season, the Bears played their best ball of the season and defeated the high-flying Friars, 72-64 at Marvel Gym.

In scoring their first victory over Providence College in four years, the Bruins grabbed a quick lead and never were headed. Brown led 39-30 at the half and increased that spread to 16 points with slightly more than three minutes to play.

Brown put the pressure on P.C. from the outset with a tight man-to-man defense that forced the Friars to shoot from the outside or attempt to drive through the middle. The latter alternative became a perilous operation as the big men (Poulsen, Reed, and Ehrlich) sagged off and plugged the lane. To break the tough P.C. zone, Ward put in a special zone rotation. The theory behind the attack was to force the zone to overload; then a double cut-back to the weak side was designed to get the second cutter open. As a result, Brown got some good shots, and Poulsen, Reed and Ehrlich had hot fingers when the openings occurred. Poulsen was high man with 22 points, followed by Ehrlich (14) and Reed (13). Mitchell and Bellavance also played well.

In the second Ivy League encounter of the season, the Bruins had to go into overtime to defeat Harvard, 68-63, at Marvel Gym. Altogether, the lead changed hands 14 times, with the Crimson leading from the 15-minute mark of the first half until Reed's one-hander from the side put the Bruins one point up at 50-49 with 3:10 remaining in the game. Harvard took a 53-51 lead with two minutes left, but Bellavance was fouled and converted twice, producing another deadlock with 1:37 remaining. Bowditch, a good Harvard Sophomore, intercepted a pass on an attempted freeze and drove in for a layup that put the Crimson ahead, 55-53, with 55 seconds left. With 12 seconds to go, Poulsen took a hook shot from the bucket and tied it up once again.

Bowditch put his team ahead in overtime with a one-hander from the corner, but Reed tied it on a drive and then Brown added seven straight points on foul shots by Reed, Ehrlich, and Diussa and a basket by Bellavance. Harvard had the edge from the floor, 56-50, but Brown converted on 18 of 20 from the foul line to seven of 16 for the Crimson. Ehrlich had 16 points, while Poulsen, Reed, and Bellavance had 14 each.

After the first 10 games, Poulsen was leading the scorers with 137 points, followed by Ehrlich (124), Reed (104), Hurley (81), Diussa (61), Bellavance (48), and Broman (46).

The Cubs sported a 4-3 record after the first seven games, with the defeats administered by Providence College (82-60), Rhode Island (94-76), and Yale (77-60). The wins were over Tufts (82-56), Trinity (86-66), Davisville (69-64), and Harvard (75-69) in double overtime. Mike Cingiser led the scorers with an average of 23 points per game, while Ted Gottfried and Greg Heath also showed to advantage.

Swimmers Even Up

AFTER DROPPING a 44-42 decision to Springfield in the opener on a disqualification, Coach Joe Watmough's swimmers came back and dunked Columbia, 50-36, at the Colgate-Hoyt pool. Ed Nicholson and Bob Friedlander each were double winners for Brown, the former taking the 50- and 100-yard freestyles and the latter coming through in the 220- and 440-yard freestyles.

The Bruins started fast and had a 29-5 lead after the first four events. John Conron, Bill Zani, Penn Brown, and John Halliday led off with an easy victory in

the medley relay. Friedlander and Dick Claiborn went one-two in the 220-yard freestyle. Nicholson came home first in the 50-yard freestyle, and Dave Outerbridge, outstanding diver, completed his collegiate career by taking his event with 74.68 points. Bob Taggart also scored for the Bear mermen with a victory in the 200-yard backstroke.

Hockey's Best to Come?

WITH 10 GAMES completed, Coach Jim Fullerton's hockey team sported a 4-6 record. The wins were over Tufts (3-2), Amherst (4-3), Northeastern (5-3), and Princeton (4-1). The defeats came at the sticks of Boston College (3-2), Northeastern (5-3), Army (5-2), Boston University (8-3), Michigan State (11-3), and R.P.I. (8-1).

With the toughest part of the schedule behind him, Fullerton was fairly optimistic about the remaining games. He thought that the Bruins should be somewhere in the middle of the Ivy League race along with Yale and Princeton, but with a few breaks and an improved scoring punch he felt his team might challenge Dartmouth and Harvard for the lead. Cornell, the League's newest member, is a year or two away from offering topnotch competition.

Through the team's first 10 games, its major weakness was the lack of an adequate scoring punch. The 30 goals in this stretch were far below Fullerton's expectations. Dave Kelley, one of the leading scorers in New England as a Sophomore last year, had an output of only five goals and two assists. The defensemen failed to offer a scoring punch, with Allen Soares (1), Pete Gray (1), and Dave Morton (2) having but four points among them.

However, the team defense, generally speaking, was good. Soares, All-Ivy as a Sophomore a year ago, again demonstrated that he is an outstanding defenseman. Gray and Morton also played well, while Bert Creese and Rod McGarry alternated in the nets with better than average success. Creese kicked out 50 shots in Brown's 5-3 decision over Northeastern, while McGarry had an exceptionally good night in the first game against the Tigers.

After trading 3-2 decisions with Boston College and Tufts, the Bruins lost to a good Northeastern team at the Boston Arena, 5-3. The Brown defense was ham-

pered somewhat by the absence of Soares, who was home in bed with a cold, and Morton, who was ejected from the game for fighting. Kelley scored two of Brown's goals.

Pete Dawkins, Army's football All-American, showed that he also knows his way around a hockey rink as he scored a pair of key goals in Army's 5-2 victory at Providence. Outplayed, outthrust, and outscored through the first two periods by the hard-hitting Cadets, the Bruins finally found themselves in the final stanza and climbed back into the running at 3-2 as Kelley slipped the puck into the cage. Brown put on the pressure for the next five minutes but couldn't score. It was still anyone's game, but Dawkins notched the second of his two markers from in close after a poor Brown clearance had been intercepted.

The Bears warmed up for the two tough Christmas tournaments by defeating Amherst, 4-3, breaking a 2-2 tie in the final period on a pair of goals by Kelley. Going into the Boston Arena Tournament after a 10-day layoff, the Bruins were no match for the fast-skating Boston University Terriers and dropped an 8-3 decision. However, the Bears bounced back the next night to gain third place in the tourney by turning the tables on Northeastern, 5-3. The game was by far Brown's best performance since its opener against Boston College. The team showed considerable drive and fire as it avenged the earlier loss to the Huskies.

The competition was tough at R.P.I. The Bruins met one of the nation's top teams, Michigan State, in the opener and gave them a good battle for two periods. At that point, the highly-favored Spartans were clinging to a modest 5-3 lead. However, Brown tired badly and gave up six goals in the final period. Despite the score, McGarry turned in a fine job in the Bruin nets. He made 45 saves as the powerful MSU team, winner of the Boston Arena Tournament, pressured the Brown defense all night. The three goals scored by the Bears were as many as three opponents had been able to score on Michigan State in the Boston Tournament.

R.P.I. also took the measure of the Bruins, 8-1, before Fullerton's men came back to hand Princeton a sound 4-1 defeat in the final game. Against the Tigers, Brown fell behind 1-0 at the period, but goals by Dave Laub and Brian Malloy pulled the Bruins ahead 2-1 going into the final stanza. Wyn Eaton, Brown captain, put across an insurance goal at 8:29, and Ed Jones notched the final tally at 15:43. Michigan State routed R.P.I., 10-3, and walked off with its second championship of the holiday season. (Brown repeated with a pre-exam victory over Princeton in Providence, this one counting in the League standing.)

The Freshman sextet defeated Cranston High School, 3-2, while losing to Boston College (12-3), Northeastern (5-1), and Hope High (3-2).

A Winning Start on the Mat

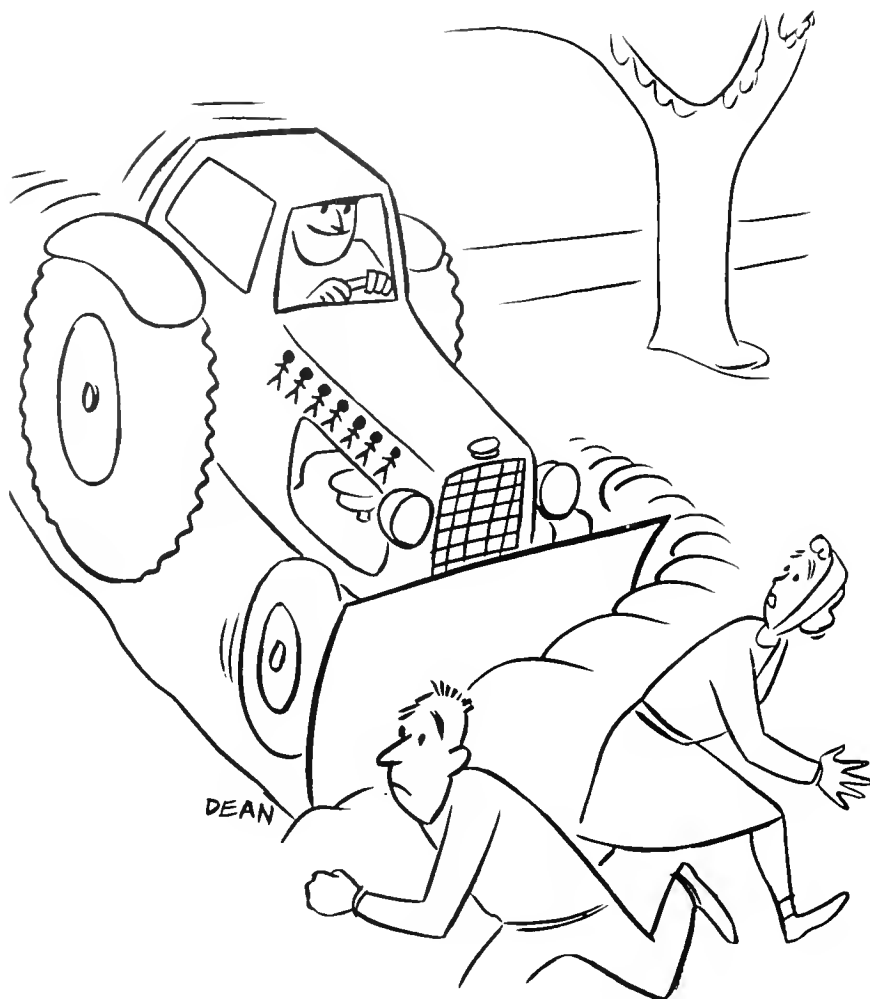
SCORING decision victories in six of the eight classes, the wrestlers made it two straight by soundly defeating Penn, 20-5, at Philadelphia. The Bruins had upset Springfield, 14-12, in the opener.

The winners for the Bears were Bob Perrine (130), George Seaver (137), Gene Bouley (147), Capt. Lou Winner (157), Gene Roberts (177), and Art Giorgini in the unlimited class. Dick Seibel also scored for Coach Ralph Anderton's



BEAR ON ICE, from the Brown hockey program.

CAMPUS COMEDY



team by grappling to a draw in the 123-pound class.

Seaver and Capt. Winner, both good prospects for Eastern title honors, continued undefeated. The former had some difficulty with the long-legged Al Black of the Quakers before gaining a 6-2 decision. Winner won easily in the 157-pound division, defeating Ron Bender, 7-0.

Anderton believes that Cornell will be the Ivy team to beat once again. Besides winning the Ivy League crown last year, the Big Red won the Eastern Intercollegiate Wrestling Tournament, the first Ivy team ever to gain this honor. Brown meets Cornell at Marvel Gym on Feb. 21. (Connecticut was outclassed in the last meet before exams, failing to win a bout.)

Sports Shorts

LAST MONTH, in listing the Brown individual football records, we noted that they were probably not complete and that we would welcome any additional information. To date, several changes have been brought to our attention. We listed the all-time record for the number of rushes in one game as 25, by Bob Margarita '44 and Ev Pearson '55. However, it has been established that Clair Purdy '18 carried 27 times against Harvard in Brown's 21-0 victory in 1916. It also has

been brought out that Dick High '42 ran 92 yards with an intercepted pass against Yale in 1940 (the winning touchdown in a 6-2 game), thus earning him the honor of having the third longest return of a stolen pass in Brown's pigskin history.

Two "neighbors" from Royal Oak, Mich., met for the first time in December when the Army hockey team visited Brown. Pete Dawkins, Army's All-American halfback and star defenseman on the Cadet sextet, and Frank Finney, Brown's All-Ivy quarterback and multiple record-holder, grew up not more than two miles apart and yet had never met. The boys spent the better part of the afternoon touring the Brown Campus, before Dawkins had to leave to guide his hockey mates to a victory over the Bruins.

The Winter Brochure released by Baaron Pittenger, Director of Athletic Publicity, reveals that down through the years Brown basketball teams haven't fared too well against Ivy opposition. The records show 48 wins and 145 defeats, for a .249 average. The totals against individual opponents is as follows: Columbia (4-15), Cornell (1-10), Dartmouth (8-29), Harvard (23-33), Penn (1-14), Princeton (3-11), and Yale (8-33). Last season's Ivy mark of 5-9 (36%) was a step in the right direction.

The same brochure notes that the Brown hockey teams have won 51, lost 96, and

tied four in Ivy competition, for a 35% average. Last year, the Bear skaters hit 50% with a 4-4 record. The series totals: Dartmouth (12-20-0), Harvard (11-29-1), Princeton (15-14-1), and Yale (13-33-2). Two victories of the Tigers this winter increase the lead in the one favorable balance.

Psychology worked for the Brown wrestlers in their first two bouts, and Coach Ralph Anderton readily agrees. Springfield was pretty confident it would again turn back the Bears and made much in advance publicity of its five New England champions. This was the challenge that Brown needed. Arriving in Philadelphia for the Penn meet, the Brunonians found that the Quaker sports writers figured Brown would be a soft touch. This made fine locker-room propaganda for Anderton, whose men took all but five of the points.

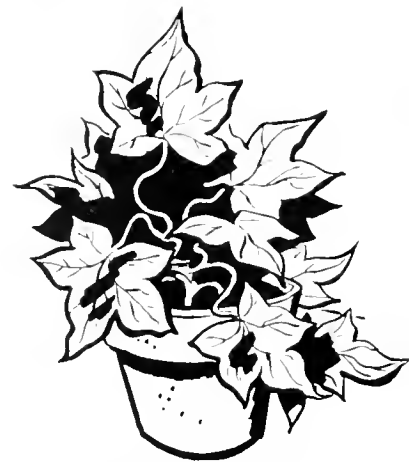
Arizona Laurels

PUEBLO HIGH SCHOOL in Tucson, Ariz., fielded its first football team in 1955 and managed to win just one game. This year there was just one defeat in 10 games, with the opposition outscored 313 to 96. When the AP collected the votes for the top teams in Arizona at the end of the season, Pueblo had more first place votes than any other and was ranked third.

Coaching Pueblo is the former Brown Iron Man, Lou Farber '29, who had another Brunonian on his staff, Hank Pilote '43. Because of the rapid rise of Pueblo fortunes in four seasons, Farber was named "Coach of the Year" by the *Arizona Daily Star*, and a four-column feature told the Farber story. He's not only coach but teacher of Social Studies, for the Arizona Interscholastic Association requires that high school coaches must have five classes in academic subjects. He reminded his interviewer that Ivy colleges have no physical education courses as such and praised the liberal arts program he'd taken at Brown.

Farber last fall took a squad of "little" players, taught them a colorful multiple T offense, and kept them superbly conditioned. One of his most talked of formations was a wedge in the line. "It seems to be dying out in high school," he admitted, "but the colleges still use it a lot."

Football success is nothing new for Farber, for he coached four State champions while at East Providence High before his move in 1949 to Tucson. Nor is there any more loyal Brunonian. One of the first things he did in Tucson was to organize the Brown Club, which continues as a going concern.



Brunonians Far and Near

EDITED BY JAY BARRY '50

1887

SENATOR Theodore Francis Green underwent surgery for a cataract in his left eye at a Philadelphia hospital in December, and we are pleased to report that he made a quick recovery. Dr. A. G. Fewell of Philadelphia, who has been Senator Green's eye specialist for a number of years, said that the Senator "hasn't seen much out of that eye for several years," and that it is hoped that his vision will be improved by the operation. Friends who visited him in the hospital reported that he was restive under the enforced confinement and a ban on reading. Dr. Fewell confirmed this with a wry chuckle and said, "You know the Senator, don't you? I think he expected to get up and walk out right after the operation."

Senator Green was on hand for the annual Christmas Dinner of the University Club in Providence, which named him its "Man of the Year" with appropriate citation of his public service, loyalty to Brown, and active membership in the Club. President Paul H. Hodge '28 did the honors and also introduced Dr. Keeney, the principal speaker.

1897

Dr. Marcius Marchant "shivered" through the coldest Rhode Island December in years so that he could celebrate the holidays at home. However, early in January he left for his annual winter vacation in Florida.

1899

Eddy P. Howard, retired teacher in New Bedford, has donated 400 books to the library at the New Bedford Institute of Technology. "It's going to be like losing a part of the family," he said, "but I'm glad to have found someone who can get the use out of them that I did." He has been adding books to his library for more than 60 years, but he made his decision to part with a major share of them recently when he heard of the Junior Chamber of Commerce Book Harvest in his home town.

1908

Fred and May Edgecomb sent out a year-end letter to classmates and friends in which they gave a brief summary of the travels and visits that helped make the past year so pleasant. From their California home, the trip East included a visit to Brown to help celebrate the 40th Reunion of '08, as well as visits to Cape Cod, Boston, New York, and Philadelphia. The highlight of the trip, however, was "seeing those two healthy grandchildren in New Jersey."

1909

John H. Wells and his wife have returned from a "fascinating" trip to Russia. According to our classmate, "there was much kindness and interest on the part of the ordinary citizens of Russia."

George Henderson, Chief Engineer of the Division of Roads and Bridges, was paid a high tribute by Joseph M. Vallone, State Public Works Director, at a recent

budget hearing at the Rhode Island State House. George was called the "dean of the nation's highway engineers," and it was also said that the State's road construction program could not have maintained the pace that it did without Mr. Henderson's services.

Manton Chace retired to Florida to "loaf," but he has managed to involve himself in a number of operations. He is President of the Navaho Park Association, a delegate to the Federation of Civic Clubs of which he is 2nd Vice-President, Chairman of the Brown University Fund for the Clearwater area, and leader of a program to acquaint the students at all the local high schools with the educational advantages of Brown.

1910

Alexander W. Muir is staying on in Tripoli till June as Advisory Road Engineer to the Libyan Government. He and his wife plan to return to the United States by way of Europe in a leisurely route of sightseeing. "Mule" reports that he is not planning to take on any more jobs away from the States.

Dr. Albert A. Bennett has had several attractive teaching offers since retiring from the Brown Faculty, including an interesting one in Alaska. However, he decided to go to Southern Illinois University as a Visiting Professor for the second part of the present college year. The Bennetts are living in Carbondale.

Winfield W. Green, in a recent letter to your Secretary, recalled the "famous" baseball game between Brown and Dartmouth in 1907. He kept close track of the 1958 Bruin football team and, like all Brown men, he was justly proud at the season's close.

Hon. Roy T. Davis is finding that "retirement" isn't always what it's cracked up to be. "I thought when I retired that I would have some time to travel down memory lane, but I find that I'm still busy, largely in civic, educational, and political activities in the District of Columbia and Maryland," he writes. "However, I am doing the things that I always wanted to, and it is very pleasant to get up in the morning and realize that there are no 'musts' on the agenda."

1913

William L. Dealey, with the U. S. Veterans Administration in Hartford, has moved to 1349 Main St., Newton, Conn.

1914

David Adelman, an attorney with offices at 1019 Hospital Trust Bldg., Providence, has been named Class Agent for '14 in the 1959 University Fund campaign.

1915

Earl F. Luther, who retired two years ago from the Socony Oil Company in Providence, is comfortably settled at Star Route, Charlestown, N. H. He and his wife have remodeled an old farm house there and report that they are "learning

A Sportsman's Letter

FRITZ POLLARD '19 saw his 42-year-old Brown record of 72 points scored in one season (1916) broken last fall by Frank Finney. Shortly after the campaign's close Fritz wrote the following letter to the Bruin quarterback: "Although I have never had the pleasure of meeting you, I have seen you play and you have thrilled me many times. I want to congratulate you on the excellent work you did as Coach Kelley's quarterback for three seasons. I also feel honored that a fine lad like you came along to break my old record. I know that you will continue to break more records in life, and hope you are successful in your chosen field after graduation."

new tricks every day." With them on their farm, which is located 25 miles above Keene, is their son, Earl F. Luther, Jr., '42. He runs a dairy with his herd of 35 cows. Our classmate promises a jug of milk for one and all at our next reunion!

1916

H. Stanford McLeod, a partner in the Providence stock brokerage firm of Brown Lisle & Marshall, has been elected a Director of the Providence-Washington Insurance Co. A retired Major General of the Army, he formerly was Commanding General of the 76th Infantry Division of the Army Reserve. Stan is a Director of the Providence Journal Co. and the Title Guarantee Co. of Rhode Island and is a Trustee at the Rhode Island School of Design as well as at Brown. He retired this winter as Chairman of the Boy Scout Court of Honor for Narragansett Council.

Herman M. Feinstein, Manager of the Roger Williams Hotel, Pawtucket, has been named as "Rhode Island's hotel-man of the year." He received the Tracy-Smith Award in December as the man who did most during the past year for the advancement of the hotel industry in the State. The presentation was made at the annual dinner-meeting of the R. I. Hotel Association. In addition, Feinstein was re-elected to the posts of Executive Secretary and Treasurer. He also has served as a member of the Executive Committee.

1917

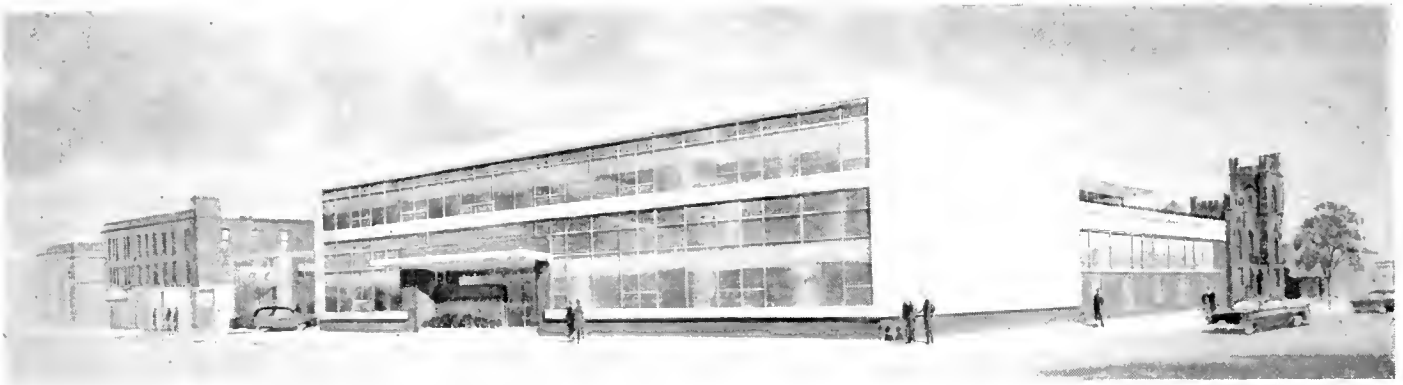
Philip R. Sisson continues his teaching at Columbia University, where he is Associate Professor of French in the School of General Studies.

Dr. Edward M. Knights, of the Providence Health Department, 161 Fountain St., Providence, is the new Class Agent.

1918

Pierre Teets received a royal welcome when he moved into Manchester, Conn., shortly after his retirement. Classmate Harold McKay invited him to lunch at the Hartford Club to discuss old times and plan some good times for the future. Joining them at lunch was another classmate, Cy Flanders. Pierre is living at 65 Finley St.

Provost Zenas R. Bliss, having moved to Providence (26 Loring Ave.), resigned in December from the Cranston School Committee. When the resignation was accepted



THE NEW CENTRAL Public Library of South Bend, Ind. Its Board stood firm.

He Saw It Happen at Last

THIS NOVEMBER South Bend, Ind., will have a new home for its Public Library, and no one will be happier about it than the Librarian, Roger B. Francis '38. The new central library will represent an investment of \$1,300,000 for construction, furniture, and equipment.

The earlier structure had been built in the heart of the downtown area in 1896. A replacement had been proposed as early as 1925, but, while studies were still under way, the depression intervened with the loss of sinking funds. The World War postponed South Bend's hopes still further, but new studies and a bequest stimulated action afresh, and staff recommendations were finally approved and publicized in 1955.

A bitter controversy over the site arose subsequently when the City Fathers and a newspaper tried to get the Library Board to delay its plans from three to five years, in an effort to locate the Library in a proposed Civic Center. After reconsideration, the Board stood firm, however, and gained the support of a Citizens Advisory Committee to go ahead without further postponement. Francis and his staff moved out

of the old building last June into temporary quarters. Construction of the new building began in August.

The former quarters, more than 60 years old, represented 12,000 square feet of area; the new building will have 78,000. Among the facilities included are a small auditorium for 180, an auto drive-up service window, smoking room, public typing room, and listening rooms with record-players. There will be capacity for 250,000 volumes and seats for 260 readers.

When the Indiana Library Association met in November, two actions were particularly gratifying to Francis. The Trustee Citation Committee presented a letter of special commendation to the South Bend Board for its building program and its firm stand in the interest of improving library facilities in South Bend. Francis was elected President of the Association.

The *Library Journal* plans to feature the South Bend development in a spring issue. Francis, incidentally, is the current Chairman of the Library Organization and Management Section of the Library Administration Division of the American Library Association.



ROGER B. FRANCIS '38, President of the Indiana Library Association.

His photo was entitled "Santa in the Sky," and was taken on Main Street, Wakefield.

Prof. W. B. Jewell of Vanderbilt University is President of the Tennessee Alpha of Phi Beta Kappa and presided over the fall meeting of the Chapter, held at Vanderbilt.

with regret by the City Council. Bliss was described as "the most outstanding School Committee Chairman this city has ever had." "A pillar of solidarity" was another phrase of praise. Bliss was elected a member of the Narragansett Council, Boy Scouts of America, at its annual meeting in January.

1919

Col. Lawrence B. Bixby, USA ret., is Curator of Extension Services of the Municipal Museum in Riverside, Calif. After graduating from West Point, he served 32 years in the Army before taking his retirement in 1950. Since then he has done some free lance writing, in addition to his position at the Museum.

1921

Herbert H. Marks, who has been Manager of Medical Statistics for the Metropolitan Life Insurance Company, New York, has been appointed by the Board of Directors to be Assistant Statistician. Herb has been a member of the Council of the American Statistical Association for the past year.

1922

Senator G. Ellsworth Gale, Jr., of East Greenwich, R. I., was reelected to office in the November election by 29 votes. The Republican led by 23 votes on election night but had to wait until the war ballots were counted before his victory was official.

Henry Ise, Chief of the Division of Harbors and Rivers for the State of Rhode Island, has been named Class Agent for the coming University Fund campaign.

1923

Lawrence Lanpher was Chairman of the Development Committee when the Mary C. Wheeler School in Providence conducted the first phase of a 10-year capital program, meeting its goal of \$195,000. He is now Chairman of the Board of Trustees.

Herbert M. Hafford, Director of Public Relations at the University of Rhode Island, supplied the cover picture for the Dec. 21 issue of *The Rhode Islander*, supplement to the *Providence Sunday Journal*.

1924

S. Everett Wilkins has opened offices for the general practice of law at 633 Howard Building, Providence. The return to private practice follows several years full time with Fram Corporation as Vice-President and General Counsel. He retains his affiliation with that firm.

J. Edward O'Brien has sued us for 19¢ for listing him with 1923 men in the December issue. (We not only have to compliment him but pay him, too.—Ed.)

1925

Alfred Elson, Jr., President and Treasurer of the New England Machine & Electric Company, Pawtucket, R. I., was featured in the November issue of the *New England Electrical News*. "There's a saying in the highly industrialized Blackstone Valley that, if you want to get something done, ask Al Elson," the story began. He was described as "a friendly, pleasant person with a slow, contagious smile, the exact opposite of the usual conception of a hard-driving businessman." It was noted that "besides performing the multitudinous

tasks required of him as the active head of one of the leading electrical contracting firms in the East, he holds more directorates and serves on more committees than a dozen men."

Sarkis Tatarian is the City Solicitor of East Providence, first to hold the office under the new form of government in that former town.

1926

Edward Chodorov's new play, "Listen to the Mocking Bird," opened in Boston in December, and one critic called it "very pleasant entertainment, with a wonderful blend of humor, philosophy, and highly skilled acting." Some of the players are: Eva Le Gallienne, Billie Burke, Una Merkel, Anthony Kemble-Cooper, and Clarence Derwent. Chodorov directed the play for The Playwrights' Company.

Jeremiah S. Jeremiah of 31 Haddon Hill Rd., Edgewood, R. I., was named to the Cranston School Committee to fill a vacancy created by the resignation of Provost Zenas R. Bliss. He will serve the balance of the term, to 1961. He has been practicing law for 30 years in Providence.

Sympathy is extended to Howard G. Lewis on the death of his mother on Dec. 6 in Andover, Mass.

1927

Dr. Sedgwick S. Adams of Barrington has been elected Race-Record Secretary of the Narragansett Bay Yachting Association.

1928

Hi Caslowitz was a proud man on Thanksgiving morning as he watched his son, Joel, weight 138 pounds, break through the Colgate line for a 15-yard gain. Hi was a grandfather, for the fourth time, during the past month.

Dr. Jesse P. Eddy presented another of his lovely daughters at the Debutante Cotillion in Providence in December.

Nelson Conlong states that he is facing one of his greatest problems while teaching his 16-year-old daughter how to drive.

Classmates in the Rhode Island area have been pleased with the national and local political reporting in the *Providence Journal* by Fred Collins and Dick Carpenter, respectively.

1929

A Committee met at the home of Ken Scott on Dec. 9 to discuss and formulate plans for the big 30th Reunion. Skeleton plans were mapped at this first meeting, and we will provide more news in this column in the next month or two. We do have one word for all classmates—make ready to bring your wife and children back to Brown for the gala 30th.

Fiorindo A. Simeone is at the Cleveland Metropolitan General Hospital, where he is Director of Surgery. He had been Professor of Surgery at Western Reserve University.

1930

Prof. Wilbur Frohock of Harvard is at the University of Lille this semester as a visiting lecturer. One of his topics will be Emily Dickinson, according to our informant the Rev. Duncan Fraser '28.

Webster C. Whitman, Chief District Engineer of the New England Electric System, was the chief speaker in December at the American Institute of Electrical Engineers' dinner-meeting in Providence. His subject: "Research on Controlled Nuclear Fusion."

Linton J. Koller has moved to Washington, D. C., where he is Divisional Manager of the Middle Atlantic Division of the National Gypsum Co.

1931

Stanton P. Nickerson is beginning his fourth year as Associate Editor of the *Ethyl News*, a bimonthly publication of the Ethyl Corporation in New York. The magazine goes to some 25,000 executives of industries concerned with motorized transportation. A recent issue led off with his feature story on Senator Byrd's apple orchards. Stan's writing and editorial responsibilities are part of his work in the company's Public Relations Department, which he joined in 1946.

Joseph M. Davis, Superintendent and Treasurer of the Riverside (R. I.) Cemetery, was on crutches through the fall season. He received a badly fractured ankle in September while trying to restrain one of his horses from trampling some children who had startled the animal. He has a brand new 1959 Volkswagen bus, and he reports that it is kinder to him than his horses. As our new Class Agent, Joe will receive his first baptism of fire in the current campaign.

Daniel Rhee has been elected Chairman of the Board of Directors of the Rhee Elastic Thread Corp. of Warren, R. I. A former President and Treasurer, he will

also continue in the latter position in addition to his duties on the Board. Our classmate, who founded the Warren firm in 1946, will devote his efforts to the development of new products for the implementation of the company's present line.

1932

Paul Meyer, formerly of Hampstead, Canada, is working out of New York City, where he is a Field Consultant with Intercontinental Hotel Corp.

Richard Hurley, President of the Rhode Island Association of Catholic College Alumni, presided at the annual breakfast-meeting of that group at the Biltmore Hotel in December. A great football fan, Rip enjoyed the entire 1958 season, but especially the final five minutes of the Colgate game when his son played in the Brown line.

1933

Dr. Russell B. Akin has been appointed Assistant Director of the Sales Service Laboratory in DuPont's Polychemicals Department. He joined the company in 1937 in the Plastics Department at the Arlington, N. J., Works as a Research Chemist. Appointed a Technical Service Engineer in

They Invited "Hemingway"

— And Scott Accepted

A BEARD is nothing new for W. Carleton Scott '24, for he has worn one for a good many years—and likes it. Sometimes, though, it gets him into trouble, especially when he ventures out where he is not as well known as in the chummy confines of his home town, Bloomfield Hills, Mich.

Such was the case a while back when he innocently attended a meeting of the Detroit Brown Club when the alumni were entertaining a group of high school and prep school boys interested in coming to College Hill. One of the latter came up to Scott, addressed him as Ernest Hemingway, and asked him, in reverent tones, if he would be willing to come to the University School of Grosse Pointe. They'd like to have him meet with the English class there and talk about his novels.

Scott's eyes must have twinkled in true Hemingway fashion. "Yes," he answered. "I'll be glad to come. And it won't cost you my usual lecture fee. That way it won't cost me anything, either, and it won't add to my income and my stupendous income tax."

"Hemingway" kept his appointment and discussed "his" books. But it was not orthodox information he provided. He explained how he first got the ideas for some of his best books. "Take 'For Whom the Bell Tolls,'" he said. "I got the idea from hearing those bells on the Good Humor wagons." He also reported that his inspiration for "Old Man and the Sea" came from boyhood catfishing trips he made near his home town, Oak Park, Ill.

At this point, part of the Grosse Pointe English class was wide-eyed, gaping at the "confessions" of a great author. Other lads in the room were becoming a bit skeptical. Before he advanced much further, Scott let everyone in on the gag. However, all reports indicate that the students considered his lecture as one of their finest—especially since it was free.



"MR. HEMINGWAY," said the prep school boy, "would you come and lecture to us about your books?" You can see above why the boy might make such a mistake, but the man is Carleton Scott '24. Anyway, he talked about "his" books.

1941, he held various sales positions, becoming District Manager of Plastic Sales in Chicago in 1953. Two years later, he became Assistant Manager of Technical Services and was appointed Product Manager for "Lucite" acrylic resins in 1956.

William Gilbane represented his company at the recent dedication of the new Emma Hartman Noyes House at Vassar. Gilbane Construction Company built the dormitory, designed by Eero Saarinen.

1934

Maj. Louis C. Irving has returned from Uijongbu, Korea, where he served as Corps Chemical Officer for I Corps Group. It was his third tour of duty in Korea. He is now assigned as Chemical, Biological, Radiological Instructor at the U. S. Army Artillery & Missile School, Fort Sill, Okla.

1935

William T. Broomhead, State GOP Chairman in Rhode Island and a 1930 graduate of the Providence Country Day School, was the featured speaker Dec. 28 at the 30th annual alumni dinner of the school. Earlier in the month, Broomhead was unanimously reelected Chairman of the R. I. Republican State Central Committee.

1936

Theodore Tannenwald, Jr., of Scarsdale, N. Y., has been named a Trustee of the University of the State of New York by Governor Harriman. The State University is the governing body of various state institutions of higher education. Among them are the School of Agriculture at Cornell, the College of Forestry at Syracuse, as well as several agricultural schools and teachers colleges. Tannenwald is a practicing attorney in New York City as a partner in the firm of Weil, Gotshal, and Manges.

J. Alden Dooley is Judge of Probate in East Providence. He was elected at the first meeting of the City Council when the town changed its form of government this winter.

1938

Robert W. Leonard has been named Vice-Chairman of the 1959 Rhode Island Heart Fund campaign. He is associated with the Providence insurance firm of Starkweather and Shepley. Making the announcement was H. Clinton Owen '28, fund chairman.

Bernard Gold is practicing law in New York, where he is with the firm of Proskauer, Rose, Goetz, & Mendelsohn.

1939

The 20th Reunion Committee held meetings in November and December, and plans for the big Commencement Week End are taking shape. A brochure is being prepared for spring distribution to outline the entire reunion schedule. Charles E. Gross is Chairman of the committee, assisted by Foster B. Davis, Jr., Raymond DeMatteo, Stanley Mathes, Stuart C. Sherman, Howard Brown, and Ralph Fletcher.

Richmond P. White has been elected a Director of the United States Savings and Loan League. As a member of the League's Board of Directors, White will represent the savings associations of Rhode Island for the next two years. He is Vice-President of Roger Williams Savings and Loan Assn.

Foster B. Davis, Jr., has been elected President of the Providence Society of Financial Analysts.

The Rev. Alvin D. Johnson is serving as



DAVID A. BURCHINAL '38, Brigadier General, USAF, has been reassigned to the Pentagon in Washington for duty as Deputy Director of Operations for the Joint Chiefs of Staff. The post is a new one, resulting from the President's reorganization of the top military structure. General Burchinal moved to Washington from Westover Air Force Base, where he had been Chief of Staff, Eighth Air Force Headquarters.

Minister of the City Park Baptist Church, Denver.

1940

David S. Price has an interesting job as Public Administration Expert with the United Nations, giving training in organization and management to employees of the civil government of the United Arab Republic. His address is 23 Sh. Abdel Wahab Pasha, Maadi, Cairo.

Vincent A. Mangiante, for the past three years Manager of the Providence plant, Coca-Cola Bottling Co. of Rhode Island, has been transferred to Boston as Manager of the Boston plant.

Raymond J. Curran, of Ray Curran & Co., 387 Charles St., Providence, has taken over the duties of Class Agent for the Brown University Fund.

1941

James Harvey Sands, Vice-President of Eclipse Fuel Engineering Company of Rockford, Ill., is in Washington, D. C., for six months as a temporary consultant to the Business Defense Service Administration, Metal Working Division, Department of Commerce.

Paul Shelton is the new Class Agent for '41. He is employed by the Narragansett Electric Co., Providence.

1942

Joseph R. Weisberger, Associate Justice of the Superior Court, swore into office four officials of Rhode Island's newest city, East Providence, in December. Among

those taking the oath were three Brown men—J. Alden Dooley '36, Judge of Probate; Sarkis Tatarian '25, Solicitor; and Charles C. Viall '40, Clerk.

Coach Bob Priestley's immediate reward for guiding his Norwich football team to a 16-12 Homecoming victory over Vermont was the privilege of crowning the Homecoming Queen at the Varsity Club's football dance.

1943

Maj. Howard E. Russell, Jr., of East Greenwich, was one of the six men named by Rhode Island's Governor. Christopher Del Sesto, as his aide-de-camp. Major Russell, President of the Flanagan-Russell, Inc., general insurance agency, is Commanding Officer of the Second 155mm Howitzer Battalion of the Marine Corps Reserve. He served as a Marine officer in both World War II and the Korean War.

Earl B. Nichols, President of the Alumni Association of the Providence Country Day School, was toastmaster at the 30th annual dinner of the organization, held in December. Richard Meader is Secretary of the Association.

1944

Dr. Hermes Grillo was invited to speak on his research in wound healing before the French Society for Plastic Surgery in Paris last fall. He and Mrs. Grillo traveled in Italy and England before returning to Boston.

Charles H. Philbrick, a member of the English Department at Brown, spoke at the Faculty Club in December. His topic was "Rejection and Reward: A Year of Creative Effort." In his talk, he described in detail the reaction in his house when he received the letter informing him that he had won the Wallace Stevens Prize in poetry. "My wife was hovering over the letter like a wasp on a rotten pear," he stated.

George Rich is living in Chicago, where he is Vice-President with the Charles A. Windle Co., food brokers.

1945

William J. Barton was transferred last July from the Legal Department at ALCOA to a position as Assistant to the President of ALCOA International, Inc., the primary foreign operating activity of the company. In October, he was admitted to the Supreme Court of Pennsylvania, which supplements his membership in the Bars of New York and the District of Columbia.

Vernon R. Alden continues as Associate Dean at the Harvard Graduate School of Business Administration. "The School has grown tremendously in the past few years," he writes. "Our budget, for example, has grown from about \$2 million in 1952 to \$6½ million this year." He expects to be spending the next two summers in Hawaii teaching in an Advanced Management Program sponsored there each summer by the School. He continues to be involved in a number of interesting outside activities. He is a Trustee and Administrator of the Institute for College and University Administrators; a Trustee, member of the Executive Committee, and Chairman of the Long-Range Planning Committee for Emerson College in Boston; Vice-Chairman of the Brown Bi-Centennial Development Committee; Chairman of the Congregational Church in Waltham, Mass.; and a Trustee of the Long School of Music in Cambridge.

John W. Gibson is President and Treasurer of the Guilford Finishing Co., Inc..

Guilford, Conn. He had served as Vice-President of that concern.

Prof. Peter R. Coffin is in the Department of Philosophy at Mary Washington College, Fredericksburg, Va.

1946

Walter H. Zillessen, Jr., is a broker with the Insurance Underwriters of Georgia, Inc., Atlanta. He has moved to 23 W. Andrews Dr., N.W.

1947

Richard F. Young has been elected to his first term as Freeholder on the Board of Chosen Freeholders for the County of Salem, N. J. He is the youngest member, at 33. Since the war he has been associated with his father in a real estate and insurance business in Salem. Dick is married and the father of three children.

George "Woody" Grimshaw brought his well-drilled Tufts basketball team to the Marvel Gym early in December to help the Bruins inaugurate the season. He took advantage of the occasion to renew old acquaintances with some classmates and friends.

Prof. E. Parker Johnson of Colby College, who received his graduate degrees at Brown, is giving a television course on psychological measurement over three New England stations—WMTW, WABI, and WAGM. It is recognized by the State Departments of Education in Maine, New Hampshire, and Vermont toward teaching certificates.

1949

Eugene P. Meckly is Manager of the Technical Information Branch of Koppers Company, Verona, Pa. Recently, when his department was cleaning out a lot of unused equipment, he spotted a book on the geology of Brazil (1622-1940) and sent it along to the John Carter Brown Library at Brown.

Dave Zuber is Chairman of the Science Department of Junior High School 73, Brooklyn, N. Y. He holds a degree from the City College of New York.

1950

Dr. E. Franklin Stone was released by the Navy in December in Naples, Italy. Before returning to this country, he expected to "see a bit of Europe." During the

A Curb on Levine

IRVING R. LEVINE '44, NBC's Moscow correspondent, was denied use of broadcast facilities in that country in December until further notice. The correspondent told the network by telephone that he had been charged with violating censorship regulations. One instance cited was an interview he had with Senator Hubert Humphrey (D-Minn.) on Dec. 2. Levine stated that he had told the Soviet press department that he did not believe a visiting Senator should be subject to censorship.

He was among 11 NBC news correspondents, whose domestic and foreign assignments have covered every key area on the globe, recalled to appear on the Dec. 28 television show, "Project '59," a review of the past year.

Layman in the Pulpit

ROLES were reversed in the historic Church of the Epiphany in downtown Washington when the Hon. Wendell B. Barnes, '32, Vestryman and Treasurer of the Church, ascended the pulpit while the Rev. Charles D. Kean, D.D., '30, the Rector, sat in the pew. Barnes, who is Administrator of the Small Business Administration, was one of six laymen to speak at Advent noonday services in the Church's program of spiritual preparation for Christmas. The series began with an address by the Hon. Arthur W. Flemming, Secretary of Health, Education and Welfare, and concluded with Administrator Barnes' talk.

past year, he was Medical Officer attached to the Staff of Commander, Middle East Force. During this period, his flagship visited various ports in the Persian Gulf and Red Sea area, "most of which I must admit I had never heard of prior to my sojourn in the Middle East." In addition, he was able to spend some time in India, Ceylon, and Kenya. "All in all, it was a very interesting and worthwhile year," he reports. In July he expects to start a residency in pediatrics at St. Christopher's Hospital, Philadelphia, Pa.

Chuck Nelson, teacher-coach at Scotch Plains High School, Middlesex, N. J., spent part of the Christmas vacation with his wife's folks in Newport. While in the area, he spent a day at Brown and had a "reunion" with some classmates, Fred Kozak, Ed Kiely, Arnie Green and Jay Barry.

Joe Souza is Probation Officer with the Third District Court of Bristol County, New Bedford.

John Stepita has been appointed Assistant Business Manager with the John Raymond Co., Stamford, Conn. He is living at Jefferson Lane, Bedford, N. Y.

Grant E. Sita has been appointed Manager of the European Office for International Division, Allied Chemical Corporation. He moves to Brussels, where his address will be 19 Avenue des Arts.

Dick White is a Government Sales Representative for the Charles G. Stott Co., Washington, D. C. Still active in Brown activities in the Washington area, Dick and his family expect to be able to visit the Campus while taking a New England trip in the spring.

Don Colo, Co-Captain of the Cleveland Browns, announced his retirement from the professional football ranks prior to the playoff game with New York. Don spent nine seasons in the play-for-pay circuit, six of them with the successful Browns. One of the most feared pass rushers in the pro ranks, Don was twice named to the All-Pro defensive team. "Don not only has been a splendid football player, but he has also been a leader," Coach Paul Brown noted. "His play has been important to us, and we'll miss him." He is taking a full-time post with the Liberty Highway Company, a trucking firm he has been working for in the off-season.

Don Gleason is with General Electric as a Technical Marketing Program Field Representative in the Midwest, with Fort Wayne, Ind., his home base. During a December trip through the East, he dropped into Alumni House and the Brown Placement Office.

Joe Baclawski also is with General Electric, serving as Manager of Engineering at the Fort Wayne plant. He also is in charge of the Engineering and Science programs there.

Frazer Gilbert Moreau, who has been a member of the Trappist Order for several years, was ordained a priest at the Trappist Monastery in Spencer, Mass., last fall.

David C. Rosenfield, late of the USS Merriek, is now out of the Navy and receiving his mail at 192 Mason Terrace, Brookline 46, Mass.

Robert F. King is Assistant Division Manager in Philadelphia for the Sealtest (ice cream) Division of National Dairy Products Corporation.

BOB CUMMINGS

1951

Donald F. Dixon is a member of the Faculty of the Marketing Department of the Wharton School at the University of Pennsylvania. He has a leave of absence from that position for the current academic year to work in England on a study of petroleum marketing. He and his wife and children expect to return to the Penn campus this summer.

Dr. Edward A. Joseph, who entered Georgetown Dental School in 1951, received his dental degree there in 1955. Following graduation, he took a residency and internship in oral surgery at Jackson Memorial Hospital, Miami, Fla. In September of 1957, he entered the Graduate School of Medicine at the University of Pennsylvania for a course in the basic medical sciences. He received his certificate last May and expects to obtain his Master's degree after submitting a research thesis. Last July, he successfully passed the Florida State Dental Examination and is preparing to open an oral surgery practice in Miami.

Jim Sutherland is a sales representative with Sylvania Electric Products in Beverly, Mass.

Frank L. Suttell is an engineer with the Boeing Aircraft Co., Seattle, Wash. He is living at 4306 29th Ave. West in that city.

Jerry Zeoli helped celebrate his undefeated season at Moses Brown by having his former mentor, Rip Engle, as chief speaker at the annual football banquet. Engle had a highly successful season again at Penn State, topped by an upset victory over powerful Pittsburgh on Thanksgiving Day.

John and Larry Bello joined Jerry as guests of honor at the Classical High School Awards Banquet in December. These three men were members of the undefeated team of 1943, honored at the affair along with the unbeaten 1958 gridders.

1952

Dr. Richard C. Sprinthall, Chairman of the Psychology Department at American International College, stated in a recent talk that the advertising techniques of "hidden persuasion" are offsprings of a "wedding of Freud and Madison Ave., calculated to influence the consumer below his level of consciousness and awareness."

William W. Corcoran was admitted to the Rhode Island bar before the Supreme Court on Nov. 26. After a tour with the Navy, he entered Boston College Law School, from which he was graduated last June. He is associated with the Newport law firm of Corcoran, Peckham, and Hayes, joining his father, Edward J. Corcoran '15, and his brother, Edward B. Corcoran '50.



ROBERT F. KING '50 has been appointed Assistant to the Ice Cream Sales Manager by the Seal-test Supplee Division, National Dairy Products Corporation. He moves Kenmore, N. Y., to Philadelphia. He was formerly Regional Sales Manager for the Magnavox Corporation in Buffalo.

Maurice Adelman is a law clerk with the firm of McElroy, Gallogly & Regan in Providence. He is a frequent visitor to the Campus and has attended several of the Faculty Club luncheons. In addition, he has done several book reviews for the *Providence Sunday Journal*.

Cyril J. Smith, separated from the service, is an attorney associated with Lord, Day & Lord, 25 Broadway, N.Y.C.

1953

Walter Buschmann's Christmas card to President Keeney was from Heidelberg. "The experience here is a wonderful one," he wrote. "I attend lectures on both History and Theology, the latter of which I find far less stormy and isolationist than the American variety." Buschmann is on a Fulbright.

Leonard B. Berkman served as Vice-Chairman of the 1959 March of Dimes drive in Norwich, Conn. He was admitted to the Massachusetts and Connecticut bars in 1956 and started practicing law in Norwich last fall following his discharge from the Army.

Frank E. "Buzz" Harris, Jr., has been appointed Assistant Sales Manager of the Tape Division of the Plymouth Rubber Company, Inc., Canton, Mass. He joined the concern three years ago as a sales assistant.

Attorney Joseph L. Tauro is back home in Swampscott, Mass., after serving in the U. S. Army for the past two years. He had served as Launching Control Officer at the Lorton (Virginia) Nike Site. A member of the Massachusetts Bar Association, he is associated with his father, G. Joseph Tauro, prominent attorney.

Lawrence J. Clipper is working on his doctorate at the University of North Carolina, where he is on a fellowship.

John W. Hill is field representative with the General Motors Acceptance Corp., Brockton, Mass. He is living at 704 Washington St., in that city.

Joseph C. Johnston, Jr., has assumed the post of Class Agent for '53. An at-

torney, he is associated with Higgins, Cavanagh & Williamson in Providence.

1954

Jacques Lipetz, at Yale while finishing work toward his Ph.D. in Botany, returned to the Brown Campus in December to lecture before the Botany I class at the invitation of Professor Dyer. He is on a Fellowship from the National Institute of Health, and, after leaving Yale, he hopes to start on his post-doctoral work in September at the Rockefeller Institute in New York.

Richard E. Wood is serving on the Student Bar Association Board of Governors at the Boston University School of Law. An Army veteran, he is in his third year of law school.

Vincent M. Love received his M.B.A. in Transportation from the Wharton School in 1956 and then served with the Army in the Testing Branch of the Personnel Center at Fort Jackson, S. C. He was discharged from the service last fall and visited the Brussels World's Fair, England, and Scotland. He now is employed in the Passenger Sales Department of the United States Lines in New York City.

Art Vietze, former Bruin hockey Captain, is a salesman for the American Paper Company and is living in Naugatuck, Conn.

Roy Meeks was released from the service in July and is Vice-President of the Lafayette Motel and Restaurant, Inc., Lafayette, Ind.

Alan J. Fletcher received his Master's degree from the Wharton School at the University of Pennsylvania last June and is employed by the Schering Drug Co., Bloomfield, N. J.

The Rev. Loring Chadwick is Vicar of St. Elizabeth's, Canonchet, one of the older and busier missions of the Episcopal Diocese of Rhode Island. Chadwick found one problem in the fact that his people were scattered over a wide area; one solution lay in hiring a school bus to transport them to church. The *R.I. Churchman* carried a recent feature on the experiment.

John A. Kling is out of the service and working in the Sales Department of the Cleveland Builders Supply Co., Cleveland, O.

1955

William P. Kelley, West Coast Editor for Doubleday & Company, Inc., has taken particular satisfaction in the fact that "The Flesh of Kings," first novel by Armin Frank '56, carries the Doubleday imprint. Bill's headquarters are in San Francisco at 449 Phelan Bldg., where his job consists of the gathering, reading, rejecting, accepting, commissioning, and editing of manuscripts. He expects to come out with a novel of his own next year entitled "Gemini." In his spare time, he is a member of the track team of the Olympic Club of San Francisco.

Dick Khachian, a Harvard Law graduate, has become associated with the firm of Keogh and Candee in Norwalk, Conn. He and his wife took up residence at Fillow St., Norwalk, in November.

Pfc. Colman Levin is stationed with the Industrial Property Division of the Chemical Procurement District at Fort Jay, Governor's Island, New York. He writes: "I'm very fortunate, for a Pfc., to be allowed to live in an apartment in the City and to wear civilian clothes to work."

Stuart Kase is a student at the New York Medical College, and he hopes to become an M.D. in June.

Dick Lord has been promoted to Assistant Sales Manager of Triplex of America, a firm engaged in the manufacture of aluminum alloy automotive pistons. Although based at Pueblo, Colo., he manages to get in quite a bit of travel. As an automotive enthusiast from way back, Dick is right in his element and finds the work fascinating.

LT(jg) Stan Kroll is following in the footsteps of Lord Horatio Nelson. He has been assigned to Naples, Italy.

Ed Plaisted has graduated from the Boston University Law School and has passed the State Bar Exams.

Hank Kelleher is in his second year of study at Boston College Law School on a Presidential Scholarship. He has been elected a representative to the Student Bar Association.

Ken Kinsey has begun work on his Ph.D. thesis experiment at the University of Rochester while "subsisting" on a graduate assistantship.

Leonard Larkin, who was graduated from the Harvard Law School last June, is an associate with the firm of Richard S. Bowers of Boston and Brookline. Len, Sheila, and daughter Deborah (8 mo.) are living in Cambridge but plan to move to Brookline in the spring.

Paul and Peg Letiecq are living at 8 First St., Malone, N. Y., having moved upstate so that Paul could take over an agency for the Nationwide Insurance Companies. His area includes Franklin, Clinton, and Essex Counties. He recently met a fellow Nationwide man, Dick Grotz, in White Plains.

William L. Payne, discharged from the Navy last June, is with the Quaker Oats Company in Barrington, Ill., as a Research Chemist.

Henry M. Kelleher has been elected Representative to the Student Bar Association at the Boston College Law School. A recipient of a Presidential Scholarship, he is a second-year student there.

Hank Juncker is teaching Geography and History at Lakeland High School, outside Peekskill, N. Y. He was due to receive his Master's degree in History from Columbia Teachers College in December. Home is now Brair Lane, Crompond, N. Y., a locale which offers a rustic touch, including deer in the driveway.

Dave Zucconi reports that his first half year of teaching at the Taft School was enjoyable. "I'm assistant Varsity football coach, teach Alegbra, tutor four slow students privately, and have about a hundred other duties."

HERB MELENDY
Regional Secretary

1956

Norman Lasca, Operations Officer on the Tills, has another half-stripe. While his ship was in Boston in December, he dropped down for visits in the English Department, Alumni House, and elsewhere on the Hill.

Joel Davis of Davis Publications has put a new magazine on the market. It is called *Jack London's Adventure Magazine*. Joel also reports that other new magazines are being planned by his publishing house.

Skip Walls is traveling throughout the states of Ohio and Michigan, working as a salesman for Chemstrand Corp. He has two children and is living in Akron.

Norm Levesque reports that he is enjoying his work as an engineer with Sikorsky Aircraft in Bridgewater. He is in their mechanical division.

Les Peavy is working for the Cranston Print Works in Rhode Island. Last summer he sampled northern New England and came out in favor of both the fishing and swimming there. Les still smokes those Parodi cigars.

Frank Klein plans to attend law school when he is "graduated" from the Navy. However, he is enjoying his tenure with Uncle Sam. His many interesting experiences include the handling of special operations in the Lebanon operation.

Fred Becker and Burt Marcus are continuing their studies at Harvard Law and were looking forward to their mid-year exams with as much pleasure as might be expected.

Bill Noble has been moved to the Englewood office of the New Jersey Bell Telephone Company.

Sam Herzog, sporting a mustache, is back from Japan, where he was stationed with the Air Force. He has been assigned to Hanscom Field in Massachusetts and expects to be back on the Hill quite often.

John H. Jeffers is in his first year of teaching at Moses Brown School, instructing in Chemistry and Mathematics. He was a 1952 graduate of Moses Brown.

Frank Prince, who toured Europe this summer, is putting his knowledge to good use in advertising in New York.

Ralph Hagan and Gabe De Fritas are entering their third year at the Boston University Medical School.

Dick Thorpe is one of the leading scholars at the University of Pittsburgh Medical School.

Dave Merson was discharged from the Army late last summer, and this fall he enrolled in Pitt's school of Retailing and Merchandising.

Yours truly has been joined in Ann Arbor by Zane Anderson and family. Zane is attending the School of Architecture and Design at the University of Michigan. He is married to the former Pembroke, Joyce Marangello.

Bill Demchak, in an interesting letter, described the perils of chauffeuring B-47's. Bill is in El Paso and reports seeing Jack Briner there.

Seymour Karnes has made the deep South his new home, being stationed with the Air Force in Mississippi City, Miss.

Dick Vesley has accepted a position with John Wanamaker in Philadelphia and is living in Havertown, Pa.

Walt Weber is teaching and working on his doctorate at the Rutgers Engineering School.

A couple of classmates are pursuing their studies in the Midwest. Andy Wojcicki is at Northwestern and Al Perino is at Notre Dame.

Zeke Hazell is with the Hyattsville Building Association in Hyattsville, Md.

Phil Lutes is in his first year as a graduate student in languages at Michigan.

John Seid has entered the Wharton School at Penn.

The response to the newsletter has been gratifying. If there is anyone who has requested a Class of '78 certificate and has not received it, or if there is anyone who wishes one, please drop me a card at 1212 Hill St., Ann Arbor, Mich.

Arthur M. Love, Jr., received his B.F.A. from the Rhode Island School of Design in 1957 and then went to work in the Art Department of Houghton Mifflin Publishing Co., Boston. He is a member of the Army Reserve.

MARV WILENZIK

Jack McKnight, insurance analyst in Worcester, has bought a new house in North Brookfield, Mass., for his wife and their son and daughter. He was back at his old stand in the Brown press box during the football season helping Baaron Pittenger keep the statistics.

Bud Feuchtwanger is stationed in the Azores, after having spent nine months in the Mediterranean on the USS Fremont. While on leave in Beirut, he met classmate Max Volterra.

George Delancy, also in the Navy, is at Flight School in Pensacola, Fla. He had been Communications Officer on the USS Valley Forge, during which time Courtney Jones was one of his shipmates.

Jim Goldsmith, while working in the Fiberglass Division of Burlington Industries, also received his notice and at last reports was stationed at Fort Holabird in Maryland.

Other men of '57 now wearing the Army colors are Ed Artinian, B. G. Goff, and Bob Ackerman. The latter spent most of last summer on a tour of Russia and the Low Countries.

Stephen Smithwick is employed by Thomas A. Edison Industries, North Grafton, Mass., as a salesman in the Medical Gas Division.

LT(jg) Stephen Twaddell has been Executive Officer of his tanker and in charge of decommissioning it. In March he will probably return to civilian life.

LT(jg) Walter Helgeland, who has been in the Bureau of Ships, Navy Department, Washington, sends a new address: 8210 Houston Court, Takoma Park, Md.

John Parker Hills is a second-year student in the Law School of Washington and Lee University.

Albert Basse, Jr., is Director of Choral Music at Rhode Island's Middletown High School. He also is a student in the Master of Arts in Teaching program at Brown.

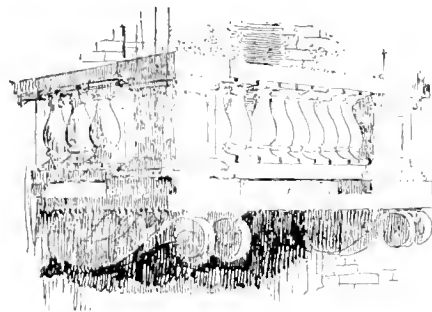
Karl Laurenstein is in Anchorage, Alaska, as Security Officer with the Air Force.

The Rev. William R. Fortner is Associate Minister at the East Shore Methodist Church, Euclid, O. He received his A.B. from Baldwin-Wallace College in June, 1957.

John Keith, discharged from the Army last August, is employed as a salesman with Goodyear Tire & Rubber Co., Quincy, Mass.

Dick Marcus, a student at the Law School at the University of Pittsburgh, has agreed to take on the duties of Class Agent for the Brown University Fund campaign about to start.

Loring R. Litchfield was expected back from Korea in January. His address: 220 Woodward St., Waban 68, Mass.



Name on a Check

THE BANKER was Alfred J. Buckley '46, and he was looking at the name on a check. He said to himself, "There can't be two K. Brooke Andersons, especially out here in the Middle East." Through Nabib Nassir, the Secretary of the Jerusalem-Jordan YMCA, he reached Anderson, and they had a fine Brown reunion, documented by a postal we received in January.

Anderson, former Secretary of the Brown YMCA, is working with the Arab refugees in Gaza. The last we'd heard of Buckley he was with the Chase Manhattan Bank in Osaka, Japan, so we've reestablished a contact, too. He sent greetings as a "Beirut alumnus." "Al looks fine and is doing well," Anderson said.

1958

Stanley Dobson and Thomas Vetter left Providence after Commencement and spent five months working their way around the country. Their 1949 Plymouth put on a total of 18,000 miles during the journey, which took them to Canada, the Northern states, Mexico, and the Southern states. Some of the odd jobs they took on included cutting hay, caddying, and waiting on tables. Each man started with only \$85 in his pocket. Some of the Brown men seen in their travels were Alan Peale '58, Dick Ionata '57, Dick Lang '58, and Herman Ammon '58.

Jay Leavitt is a full-time Mathematics student at the New York University Graduate School. He has applied for a scholarship at N.Y.U., which would aid him in his work for his Ph.D.

Robert W. Morse is attending the Amos Tuck School of Business Administration at Dartmouth. Bob was head of the Outing Club at Brown, and he brought some good ideas back to the Campus after working with the officials of the Outing Club at Dartmouth.

B. Allen Flaxman is at the Yale School of Medicine, not at Tufts as stated in the December issue of this magazine. He reports the work there as "tough but challenging."

Art Ames, a first-year student at the University of Pennsylvania Medical School, feels that he is a jinx to Al Kelley's football team. He saw three games last season, Dartmouth, Penn, and Princeton, the only three games that Brown lost!

Stanley P. Leibo is at the University of Vermont Graduate School working for his M.A. in Zoology. The Christmas vacation period offered him an opportunity to visit the Brown Campus again.

Josiah Bartlett is working for his M.A. in Math at the University of Rochester.

Pvt. Robert P. Taylor recently completed eight weeks of basic combat training at Fort Benning, Ga.

Pvt. Andrew E. Dzelzitis entered the Army last June, completed his basic training at Fort Dix, N. J., and recently completed eight weeks of advanced artillery training at Fort Chafee, Ark.

David B. Bradley, a teacher at St. Mark's School, Southboro, Mass., has taken over the duties of Class Agent for '58.

Stephen Feinstein is associated with the David Harley Company in his home town of Pawtucket.

Bureau of Vital Statistics

MARRIAGES

1923—Harvey S. Reynolds and Mrs. Mary E. Kiernan of Seekonk, Mass., Dec. 6. Richard W. Reynolds '54 was best man for his father. At home: Taylor's Lane, Little Compton, R. I.

1949—Christopher A. DiMaio and Miss Anne-Marie Rutkiewicz, daughter of Mr. and Mrs. Stanley W. Rutkiewicz of Warren, R. I., Dec. 27. Richard J. Hildreth '55 was an usher.

1951—Capt. Marsden P. Earle, Jr., USA, and Miss Alexandra B. Boyd of Duxbury, Mass., Dec. 27. The groom's father is Dr. Marsden P. Earle '23. Dr. Ralph H. Earle, Jr., '49 ushered.

1953—Robert A. Lundin and Miss Carol R. Johanson, daughter of Mr. and Mrs. C. Roland Johanson of Warwick, R. I., Dec. 27. The groom's father is Albert O. Lundin '23. Norman A. James '53 was best man. Ushers included David A. Lownes '53 and Joseph C. Johnston, Jr., '53.

1954—Edwin C. Ballard, Jr. and Miss Caroline R. Strant, daughter of Dr. and Mrs. Charles W. Strant of Coventry, Conn., Nov. 28. Ushers were Raymond J. Loomis '56 and Allister Fraser, Jr., '54.

1955—Gerold N. Borodach and Miss Ardell B. Kabalkin, daughter of Mr. and Mrs. Samuel Kabalkin of Providence, Dec. 7. Best man was Norman Cardoso '55. At home: 12 Ransom Rd., Brighton, Mass.

1955—Harold Morick and Miss Sandra G. Harding, daughter of Mr. and Mrs. Lloyd Harding of Brielle, N. J., Aug. 24. At home: 431 W. 121st St., New York 27.

1956—Gerald F. Kehoe and Miss Mary F. Amann, daughter of Mr. and Mrs. Frank H. Amann of Columbus, O., Nov. 29. Vincent Alsfeld '56 ushered.

1956—Jovite LaBonte, Jr., and Miss Jane Ann Lipscomb, daughter of Mrs. Pitchford Lipscomb of St. Louis, Nov. 1. At home: 46-055 Lilipuna Rd., Kaneohe, Oahu, T.H.

1956—LT(jg) Richard E. Williams, USN, and Miss Joan B. Williams, daughter of Mr. and Mrs. A. Butler Williams of Edge-wood, R. I., Dec. 13. Best man was Henry A. Vandersip, Jr., '56. Ushers included Walter J. Weber, Jr., '56, Frederick F. Trost '56, and 1st Lt. Roger B. Williams '56, brother of the bride. The bride's father is '25.

1957—Donald E. Morrison, Jr., and Miss Johanne E. Bennett, daughter of Mr. and Mrs. John Welch of Randolph, Mass., Nov. 16. Ushers included Robert A. Bird, Jr., '57 and Ralph L. Leonard, Jr., '57. At home: 41 Washington Square North, Salem, Mass.

1957—LT(jg) James M. Weiffenbach, USN, and Miss Antoinette Downing, daughter of Prof. and Mrs. George E. Downing of Providence, Nov. 28.

1958—William R. Engelsmann and Miss Nancy Reinhart of St. Louis, June 21. At home: 1851 Yorktown Rd., Cincinnati.

1958—C. Markham Langham, Jr., and Miss Jean Ann Sheridan, daughter of Mr. and Mrs. Edmund L. Sheridan of Providence, William W. Lane '58 was best man.

1958—Michael F. Larratt and Miss Barbara W. Chaplin, daughter of Mr. and Mrs. Raymond G. Chaplin of Nashua, N. H., Dec. 27.

BIRTHS

1941—To Mr. and Mrs. William A. Stinson of Mauwatosa, Wis., a son, Drake Christopher. June 27.

1942—To Mr. and Mrs. William J. Roberts of Northfield, Ill., a daughter, Elizabeth Vail. Aug. 6.

1942—To Dr. and Mrs. Jonas Robitscher of Swarthmore, Pa., their second daughter, Christine Ann. Dec. 8.

1943—To Mr. and Mrs. Henry C. Adams of Bangor, Me., their second son, Peter Taylor. Dec. 11. Mrs. Adams is the former Barbara Morton, Pembroke '45.

1945—To Mr. and Mrs. Donald Campbell of Riverside, R. I., their second child and first daughter, Elizabeth Ann. Nov. 6.

1945—To Mr. and Mrs. Louis E. D'Amico of Barrington, R. I., a daughter, Lissa Beth. Dec. 7.

1946—To Mr. and Mrs. Charles M. Burton of Houston, their third child and second son. Thomas Guest, Sept. 26.

1949—To Mr. and Mrs. David I. Flanzbaum of Providence, their first child, a daughter, Lynn Deborah. Dec. 5.

1949—To Mr. and Mrs. Daniel Moore, Jr., of Providence, a son, Daniel Christopher. Nov. 23.

1949—To Mr. and Mrs. Norman B. Silk of Randolph, Mass., their second daughter, Stephanie. Nov. 22.

1950—To Mr. and Mrs. Philip L. Kenney of Greenville, R. I., a son, Jeffrey Dickson. Nov. 8.

1950—To Mr. and Mrs. John E. McCaffrey of Framingham, Mass., their second son, John Thomas. Nov. 24.

1950—To Mr. and Mrs. Andrew P. Swanson of Providence, their second child, a daughter, Laura. Nov. 24. Mrs. Swanson is the former Shirley Ellis, Pembroke '51. Paternal grandfather is G. Fred Swanson '11.

1951—To Mr. and Mrs. Ormston C. Aldred of Barrington, R. I., their second daughter, Nina Wingfield. Dec. 2.

1951—To Mr. and Mrs. James M. Sutherland, Jr., of Beverly, Mass., their sixth child and fourth daughter, Janet Mary. July 19.

1951—To Mr. and Mrs. Donald E. White of Fall River, their second child, a daughter, Pamela Mason. Dec. 23.

1952—To Mr. and Mrs. George N. Diederich of St. Louis, their first child, a daughter, Emilie Boehmer. Oct. 13.

1953—To Mr. and Mrs. Myron I. Mandel of New City, N. Y., their second child and first son, Michael Jerome. Nov. 22.

1955—To Mr. and Mrs. Russell F. Shaw of Albany, N. Y., a daughter, Pamela Lynne. Nov. 29.

1955—To Mr. and Mrs. Theodore Stagg, Jr., of Providence, their first child, a son, Geoffrey DeWitt. Oct. 25.

1956—To 2nd Lt. and Mrs. Seymour Karnes of Mississippi City, Miss., a son, Jeffery Stephen. Nov. 18.

1956—To Mr. and Mrs. Carl E. Nielsen, Jr., of Watertown, Mass., their second son, Jeffrey Scott. Dec. 17.

In Memoriam

FRANCIS ELLIOT YOUNG '03 in Cleveland, Dec. 23. He received his law degree from Baldwin-Wallace Cleveland Law School in 1907. A member of the Ohio Legislature in 1947-48, he was a lifelong worker for the Republican party. A retired postal clerk, he was one of the organizers of the Cleveland branch of the National Federation of Post Office Clerks. Alpha Phi Alpha. His widow is Mrs. Ada Young, 1373 East Boulevard S.E., Cleveland.

HERBERT ALDEN KENYON '04 in Ann Arbor, Mich., Dec. 3, after a long illness. While studying for his Master's degree which he received from Brown in 1905, he was an Instructor of Romance Languages. From that time until his retirement in 1950 with the title of Associate Professor Emeritus, he was a member of the Faculty of the University of Michigan in Ann Arbor. A former President of the Ann Arbor Golf Club, he was Director of the Lydia Mendelssohn Theater at the University for many years. He was also a member of the Modern Language Association and the American Association of Teachers of Spanish. During World War I he was commissioned as a Captain in the Military Intelligence Division, later attaining the rank of Major. As a Spanish scholar, he contributed many articles to publications such as the *Romantic Review*, Phi Beta Kappa, Phi Kappa Sigma.

His widow is Mrs. Bessie S. Kenyon, 2037 Norway Rd., Ann Arbor.

MYRON HOPKINS STRONG AFFLECK '07 in Sarasota, Fla., Dec. 7. A resident of Providence for many years, he had been Secretary-Treasurer of the Star Manufacturing Co., manufacturers of pipe fittings. He also had been an Engineer with the Rumford Chemical Co., Superintendent of the Chester Cork Products Co., and an Engineer with the Grinnell Co. In 1941 he joined the Thomas Laughlin Co. in Portland, Me., as Chief Engineer. After retiring in 1954, he moved to Pepperell, Mass., and in July of 1957, to Sarasota. A member of the AE Club of Providence, he was a Past President of the Brown Club of Western Maine and a member of the Florida West Coast Brown Club. Psi Upsilon. His widow is Mrs. Frances L. Affleck, 454 North Washington Drive, St. Armand's Key, Sarasota.

BENJAMIN HAROLD CATE '11 in Providence, Dec. 17. A retired cashier of the former Providence National Bank, he had resided in Providence for the past 60 years. A member of the Sons of the American Revolution, he had also been Assistant Treasurer of the Federal Hill House from 1930 to 1940. Beta Theta Pi. Benjamin H. Cate, Jr., '37 is his son, and Arthur W. Cate '14 is his brother. His widow is Mrs. Eunice R. Cate, 10 Catalpa Rd., Providence.

WILLIAM DICKSON LAMOND '13 in Brooksville, Fla., June 24. Associated with the Firestone Tire & Rubber Co. in Akron for many years, he had previously been with the U. S. Tire Co. in Providence and the Pioneer Rubber Mills in San Francisco. Zeta Psi. His widow is Mrs. Janice M. Lamond, 295 E. Ft. Dade #19, Brooksville, Fla.

GILBERT DEBLOIS MILLER '23 in Providence, Dec. 8. He was Sales Manager for the John D. Lewis Branch of McKesson & Robbins. A member of the British Empire Club, he was a Past Master of the Mount Vernon Lodge, F. and A.M., and a member of the American Association of Textile Chemists and Colorists. His widow is Mrs. R. Elizabeth Miller, 7 Stratford Rd., Barrington, R. I.

WILTON BROWN '25 in Providence, Dec. 11. He received a Master's degree from Brown in 1932. A Mathematics Teacher at Hope High School in Providence since 1932, he also taught night school at the Rhode Island School of Design and the YMCA Institute. Before he began his teaching career, he had been a junior accountant with Ernst & Ernst in Providence and an industrial engineer with the Providence Gas Co. During World War II, he attained the rank of Commander as an Instructor in Air Navigation. A member of the National Mathematics Association, the National Science Foundation, and the American Chemical Society, he was also active in the Masonic Order and the American Legion. Phi Beta Kappa. Sigma Xi.

FRANK JAY CLAYFIELD '28 in Athol, N. Y., Nov. 22, of a heart attack. Owner of Clayfield's Department Store in Warrensburg, N. Y. for the past four years, he had operated a summer resort in Athol for more than 20 years. Previously, he was with the Kleinert Rubber Co. in New York City as a Department Manager. Before having his name legally changed, he was known as Brown as Frank Eisenberg. A member of the Board of Education of the Warrensburg Central School, he was also active in the Lodges of Odd Fellows and Masons of that city. His brother is LeRoy Clayfield '24. His widow is Mrs. Mary W. Clayfield, Athol, N. Y.

JOHN FREDERICK GLOVER '32 in Warwick, R. I., Dec. 5. He had been an engineer in the Providence Office of the City Engineer. He then was a sales representative with the Campbell Sales Co. in Camden, N. J. Lambda Chi Alpha. His widow is Mrs. Anne M. Glover, 32 Kiwanee Rd., Warwick.

GEORGE WESTCOTT LITTLE '32 in Hartsville, S. C., Dec. 22. He attended Harvard Business School from 1932 to 1934, studying business administration. A member of the American Association of Textile Chemists and Colorists, he had been Superintendent of the Hartsville Print and Dye Works, Superintendent of Printing at the Pacific Mills, and Superintendent of Finishing at the U. S. Finishing Co. in Norwich, Conn. In 1953 he was named General Manager of the Print and Dye Works of the U. S. Finishing Co. in Hartsville. Sigma Phi. Theta Delta Chi. His father is Leonard S. Little '07, and his brother is the Rev. Robert W. Little '31. His widow is Mrs. Agnes E. Little, 1210 Park Ave., Hartsville.

Brown Clubs

(Continued from page 17)

was the toastmaster for a fine evening of Brown words and music. The music came when Wilfred C. Driscoll '49 led the group in the singing of Brown songs. The words came from Alumni Secretary William B. McCormick '23 and Basketball Coach Stan Ward. McCormick spoke on the expansion of facilities at the University and noted that competition for Faculty personnel has created one of the most pressing problems of the colleges today.

Coach Ward outlined the prospects for this season. He also stressed the need for major educational institutions to maintain a wide range of sports activities. In this line, he urged the alumni to direct their interest toward the development of the Aldrich-Dexter land, a project which encompasses all facets of athletic interest.

Ivy Grows in Florida

THE IVY LEAGUE Club of the Sarasota-Bradenton-Venice area, formed by a small group of 17 Ivy League alumni a year ago last September, is growing as fast as some of the Florida foliage. The Club, now incorporated as a non-profit organization, boasts a membership today of 170 and is steadily growing.

Luncheon meetings are held twice a month, with speakers scheduled from a wide field of interests. They have included former Vice-President Henry A. Wallace, Texas Jim Mitchell, Budd Schulberg, Billy Goodman, Dr. Samuel Neel, John MacDonald, and Karl Bickel. Several times a year the Club breaks its stag rule and invites wives of members to its parties.

As stated in its charter, the purposes of the Club are to "promote social and recreational activities, to improve educational standards in the community, and to provide a forum for free and open discussion of contemporary public affairs." Paul Stannard (Brown '29) is President.

McCormick in Worcester

WILLIAM B. MCCORMICK '23, Alumni Secretary, was the featured speaker at the fall meeting of the Worcester County Brown Club held at the Bancroft Hotel in Worcester on Dec. 9. Edmands P. Lingham, Jr., '49, President of the Framingham Brown Club, also spoke to the group.

Secretary McCormick spoke on programs and activities that Brown Clubs could sponsor. He noted that the clubs form a tie between Brown and its alumni and that stronger Brown Clubs will mean a stronger Brown. Lingham talked informally on some of the objectives common to local alumni groups. Don Hazard '50, new Program Chairman, sketched some of the plans for the future. Albert L. Parks '26, Club President, introduced the chief speaker. Following the formal meeting, the members viewed movies of the 1958 Brown-Yale game.

Among others in attendance were: Harold I. Brown '30, Leslie B. Goff '22, Edwin K. Golrick '47, Frederick R. Govain '49, John R. Gosnell '41, Everett F. Greenleaf '41, John D. Hunt '47, Arthur B. Jacobson '50, Robert H. Johnson '51, Robert J. Macko '52, Austin L. Marsh '33, Russell O. Newton '41, John Pietro '52, Robert M. Siff '48, Dr. Leonard B. Thomp-

son '26, Frederick W. Trost '56, George C. Whitney '33, and a special guest, Charles I. Judkins, father of Dick Judkins '59.

Reporting on Russia

DR. ROBERT T. BEYER of the Brown Physics Department spoke before an enthusiastic group of alumni at the Hotel Bond in Hartford on Dec. 3. President Dave Buffum, Jr., '43, presided, and Vice-President Hawley Judd '45 was Chairman for the affair.

Dr. Beyer described his 10-day visit to Russia last spring, with special emphasis on the educational system in that country. For close to an hour after his talk, he was bombarded with questions from the audience, a sure indication of the interest he kindled. A number of alumni took advantage of the occasion and dined with him and the Club officers prior to the meeting.

Brad Benson '52, heading a committee to arrange for a dinner-dance in the spring, announced that the affair will be held at the Farmington Country Club on May 23.

In addition to those mentioned above, the following attended the meeting on Dec. 3: Dan Howard '93, Elisha Wattles '13, Jesse Bailey '16, Cy Flanders '18, Larry Smith '20, C. Manton Eddy '22, Al Goddard '23, Francis P. Brown, Jr., '25, Edward Thayer '34GS, George P. Wargo, Jr., '43, Clarence F. Roth '46, W. S. Capozzoli '49, Warren Randall '49, Charlie Howard '50, Lenny Erickson '52, Joe North '52, Bob Goodman '52, Fred Bailey '53, and John Hetherington '56.

CY FLANDERS '18

Lifelong Learning

MUCH of the current discussion about education deals with its expansion—more teachers and more classrooms to accommodate more students. Mostly ignored is the question of what education is for. If the question is answered at all, it is related to the need for more scientists and engineers and physicians.

Education must have a broader purpose, or it fails. This was the stimulating theme of Dr. Barnaby C. Keeney, President of Brown University, at the inaugural luncheon for Dr. K. Roald Bergethson, the new President of Lafayette College. The man who "does not systematically and painfully continue to learn all his life" never becomes educated.

Thoughtful educators are dismayed by the widespread impression that education and training are synonymous. Training, as Dr. Keeney pointed out, can only prepare people to do what must be done today. Education prepares them for tomorrow. Education solves no problems, he continued. It merely provides a treasury of knowledge on which a man can draw in making the series of decisions which comprise the sum of his life. A college defeats its purpose if it fails to make of its students "independent scholars who will remain scholars all their lives."

Dr. Keeney raises a lofty standard. The concept of education as a lifelong process will require inspired advocates, able to arouse the enthusiasm and obtain the co-operation of the student. But the real goal is worth seeking. It will enrich the lives of those who pursue it and raise the capacity of the American people for accomplishment beyond their dreams.

—An editorial in *The Daily News* of the Virgin Islands.

*Have
you
mailed
YOURS ?*



**BROWN UNIVERSITY FUND
PROVIDENCE 12, R. I.**

BOX C

(All the best people are doing it.)



DEC 1968

WESBY

