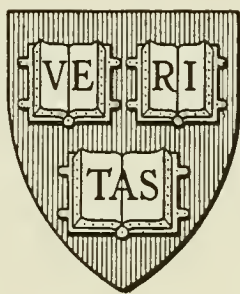


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ALUMNI MONTHLY

MARCH 1961



It's the Machine's Move/See page 20



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FRONT COVER

IF WE SEEM to go overboard about the new Computing Laboratory, it is partly because we had such a good time at its dedication (see page 14). And its staff handled the Open House with such showmanship. An example of this was The Game, which was concocted to demonstrate in a small way what use the IBM 7070 can make of its memory. In the cover photo Prof. William Prager is explaining what M (the Machine) has done to counter the first move by V (the Visitor). In this case, as often, V stood for Victim, too.



Into Overtime . . .

CLASS COMPETITION adds a touch of zest to the operation of the Brown University Fund, although this element has been missing while the annual-giving program stood aside to give the green light to the Bicentennial Campaign. The Fund Trustees have now voted to restore its schedule of awards next year to revive the Class rivalry.

As they set up some ground rules about points for participation, dollar total of gifts, etc., one Trustee asked what would happen in case of a tie between two Classes. A colleague called out the prompt answer: "Play it off."

THE STORY was told long ago by Dr. Ernest V. Beazley, a Providence dentist who was known to many Brunonians for his part in Freshman medical exams and for his charity work for needy students. His recent death reminded Prof. Robert W. Kenny '25 of the anecdote:

Back in the '20s, Dr. Beazley knew that President Faunce enjoyed horseback-riding and occasionally rented a mount for the purpose. Dr. Beazley therefore said to him: "Dr. Faunce, I would appreciate it if you would ride my horse whenever you care to do so." The stableman was promptly informed of Faunce's grateful acceptance of the offer.

When Prexy was encountered a few days later, he was dressed for riding. "Did you have a good outing?" Beazley asked.

"Yes," Faunce replied enthusiastically. "You know, a very kind friend of mine has told me I might ride his horse, and I have just enjoyed the privilege."

Kennedy Who? . . .

WHEN Prof. Albert Van Nostrand visited Indianapolis recently, an interviewer for the *Star* was impressed with his "remarkable resemblance" to John F. Kennedy. Yes, Van Nostrand admitted, he does get autograph requests and other overtures from strangers who mistake him for the President. He has devised a set of defenses, including the response, "Kennedy who?" But, for small children, he obliges with an autograph reading, "Regards from the man who is not John F. Kennedy."

THE NUMBER of Harvard Professors who were called to Washington by the Kennedy administration has received enough attention, but our favorite comment was that of the Dean of the Law School. He sighed and said: "Old Deans don't fade away; they just lose their faculties."

A HUNDRED YEARS ago, a critic of the Harvard Board of Overseers was challenging the qualifications of its members. He pointed out that one of them apparently believed in the old New England saying to the effect that you would escape rheumatism if you carried a horse chestnut in your pocket. Was the new medical education to be best directed by a man so



credulous as to put such silly faith in a horse chestnut?

The gentleman in question was asked about this. Yes, it was true that he carried horse chestnuts. And did it work? He thought so, for he had not had an attack of rheumatism since he carried them. Further, he said, the horse chestnut had an amazing retroactive influence: "I had no attacks of rheumatism *before* I started carrying the horse chestnuts in my pocket."

WE LIKE THE NAME of the letters column in the *Technology Review* at M.I.T. They call it "Feedback." Someone else has a "Pat and Pan" Department. We've often been tempted to try this heading on our own mailbox page:

ALIVE AND KICKING

A RECENT GRADUATE of the Harvard Medical School has written the Editor of its *Alumni Bulletin* that he has been receiving an issue only about once every three or four months. "Would you please see," he said, "that a copy is sent to me each month?" Since the magazine is only a quarterly, its Editor published the communication with this heading: "Shall We Tell Him?"

AT A PARTY, reported in the *Case Alumnus*, some Professors were enjoying themselves when someone became ill and the cry went up: "Is there a doctor in the house?"

There were several callous answers: "Of what?"

THE LOCAL PAPER in Duxbury, Mass., said that Raymond N. Janness '55 and his wife had received "ostracizers" in a recent TV contest. It turns out that the prize was really a blender, an osterizer.

THE BY-LAWS of the Associated Alumni permit a candidate for Treasurer to be nominated without opposition. The Executive Committee and the Advisory Council exercised this option again this year in order to commend Richmond H. Sweet '25 as candidate to succeed himself.

Someone, however, presented the name of Josiah S. Carberry as a counter-nomination. The Chair was equal to the occasion, ruling that it would be difficult to gain Professor Carberry's consent. A good thing, too, for Sweet would have had tough competition.

A DEPARTMENT CHAIRMAN from Brown, in Europe to deliver an address recently, made a dash by auto from the Spanish border and raced on to Paris for his only chance to pick up his mail for several days, since he was en route to Belgium. Reaching the American Express mail room 10 minutes before the Saturday closing, he was relieved to be on time. Then he opened the two envelopes from Providence, which were waiting for him. One provided a gas bill; the other was from the Providence Chamber of Commerce, inviting him to be a "Rooster Booster."

Extra-Marital . . .

SCANDAL REVEALED: The University Book Store, which did a heart-stirring business in Feb. 14 greetings, had one which purported to be "A Valentine for My Husband." The wife was holding her heart on a silver platter. Only trouble was that her left hand showed clearly with no wedding ring on it.

IN CASE out of town papers didn't copy, we should share with our more distant readers the burden of an ad of Church Travel, Providence agency in which Robert T. Engles '40 is a partner. With a certain oceanic episode at its headlined height, the ad read:

BORED?

Space Available
Portuguese Liner

SANTIA MARIA*

Caribbean Cruise 1962!

* Featuring unexpected extensions.

WHEN AN ALUMNUS wrote for six extra copies of "the last issue of the *Alumni Monthly*," we compromised by sending six of the latest.

DEAN DURGIN was a puzzled man after a recent attempt to telephone a member of the Physics Department. When he dialed 269 on the Campus exchange, a secretary answered; Dean Durgin asked for Professor So-and-So. Sorry, the secretary told him, his extension was 268. Hanging up and dialing 268, Durgin heard the same secretary's voice again. "Can I get Professor So-and-So on this line?" he asked.

"Oh," said the young lady. "I should have told you. He isn't here today."

BUSTER

RESEARCH:

Two Horns of Apprehension

Why the Grand Inquiry must go
hand in hand with teaching
in our University-College



By DEAN CHARLES H. WATTS '47

NOW, AS PERHAPS NEVER BEFORE, the worth of a university should be measured by the amount of new thinking which goes on there. And research—the orderly search for knowledge—either stems from new thinking or causes it. The great university will be that one which best fosters such thoughtfulness among all its members, students and teachers alike. Not only are adequate facilities required but also a certain kind of teacher and a certain kind of student, brought together in a certain way.

To put the matter quite bluntly, I do not think that Brown University, or any other university, has ever had very much of a life without both the spirit and the intention which motivates research. The only way in which such a statement can be regarded as heresy is by a misunderstanding of what a university seeks to do and what research involves.

These two matters, as I hope you will see, become virtually one and the same thing when they are analyzed. If it has seemed that this is not so, because universities across the country are falling prey to an enthusiasm for research which brings with it enough money to corrupt anyone, I can sympathize with you. There has, indeed, been minor hysteria in some quarters about the value of research, and a corresponding and unmannerly grasping after funds.

This interest in research seems, on the one hand, to have been generated by Soviet technological achievement and, on the other hand, by the need of some institutions to justify

their existence in the face of sudden public attention to what they were doing. They didn't simply teach the young; and, if they taught them badly, this was to be excused because Washington or Detroit had just certified their competence by a grant for something.

In quite another way, and for other reasons, I think many persons are suspicious about the place of research in universities and colleges. They believe that it somehow differs from what was going on when they were in college, and that its presence will destroy or corrupt the excellence in teaching which they remember with justifiable thanksgiving.

In Research Lies Our Future Life

At Brown, at least, both sets of apprehension are unnecessary. I should like to tell you why. To do so, I must remind you of certain matters which actually are quite familiar to you:

The function of a university has always been, and presumably will always be, to discover new knowledge, to think about and comment on its relation to what was already known, and to transmit the resulting complex of old and new to any who are capable of receiving it. This statement (or a variation of it) lies at the root of all legitimate undertakings of a university. It describes an extremely complex process, one subject to all the familiar human distortions of misunderstanding and prejudice, in teacher and student alike.

But, no matter what its complexity, or how uneven one's success may be, the process of discovery and transmission must be kept lively if any university is to avoid fraudulence.

If you accept this proposition, you have already accepted the necessity for research within the university, because—again obviously—research in all its forms is an attempt either to discover new information or, in taking new information and placing it next to old, provide new knowledge. Its means are as various as man's capacity for thought; its limits are only those of time and money.

Thus, when I say that in research lies the future life of a university, I am only saying that the rest of the University's business must come to a standstill when that creative act of investigation (wherever it occurs) ceases to be regarded as important. Without it, all else which a university may undertake in its attempt to teach and to serve its national community will become sterile. It will become sterile no matter how intricate its curriculum may be or how opulent its plant.

Let us consider a little further just what implications lie in the purposes of research itself. As I have said, its classic purpose is to discover new knowledge. That knowledge may reach into the intricate spaces of an atom, into the convolutions of politics, or even into such a fragile thing as a poem.

The Essence of Discovery

Unfortunately, one cannot ever say with precision in advance just where such new knowledge is going to come from, or even what it is going to be. It is not a blind process nor an entirely intuitive process, but no one can precisely predict the result. Such so-called "pure" research is the essence of discovery. It must be sustained—indeed, fortified—by any university which seeks greatness. To sustain it so, a university must seek out and attract scholars of competence, energy, and imagination. And they must be left alone to follow the mystic signs of their own exploration. The result may be long in coming, or it may never come; but this is the only way you can get it. I think you can imagine how the presence of men of this calibre, so dedicated, affects the entire university community.

Research takes certain other forms which are perhaps more obvious to most of us. This is true in particular of so-called "contract" research. Here a given scholar or Department agrees to pursue a certain line of inquiry under financing from the Government or industry. The benefits which accrue to society from such contract research hardly need demonstration. Suffice it to say that, in a society as intricate as ours, we must continue to discover new ways of doing things, new technology, more efficient means to govern or order our lives. Whether the contract calls for research into public safety or mass communications or electronics, we need all the help we can get.

And yet, valuable as such direct service to the community is, it is not as important to the university or the nation as is pure research. In the first place, the very nature of a contract can limit the freedom of the scholar's inquiry. In the second place, the presence of an undue amount of contract research may absorb so much of a university's energy that it ceases to be concerned with education.

Such are the obvious statements which may be made about the purposes of research. It may be that their very importance has shadowed for too long certain other values inherent within it.

If our total gain from research were simply that of discovery of new knowledge by one man, or the discovery of new applications by a team of men, research would still be worth its cost in time and effort, still relevant to a university's purpose.

Research becomes even more worthwhile and relevant when you realize that a by-product, if not a primary product, of research is visible in what it does to the man who engages in it. We talk often enough about liberal education, about the liberalizing effects of education. Presumably, by this we mean that when real and important information flows into a good mind, it is freed from ignorance or prejudice to some degree. The mind is the thing liberalized. And this is precisely what happens to the mind of the teacher who is engaged in research, the teacher who is a scholar.

The scholar's actions may be visible and formalized, as in laboratory work; they may be more private and intuitive, as in the work of a critic of literature. But what is happening in each case is that a man's mind is actively engaged in turning over information to see its consequence. This is an act of creation, and it leaves the mind so engaged stronger, subtler, and (almost inevitably) more anxious not only to gain further information but to communicate that which it has recently come to understand.

The Teacher Who Stands Still

One may say that this is precisely the preparation which any teacher should go through before he undertakes to teach. It is also about the only thing that will help him to remain a fine teacher. It is painfully obvious that some of us grow old and weary before our time, and teach in the fond notion that we already know all there is to be known about our subject. Our students are aware of it first, and then our colleagues; it becomes only more laterally and more painfully obvious to ourselves.

Great teaching, then, requires precisely the kind of active and imaginative mind which is stimulated by research. I would destroy in your minds the old thought that research or scholarship exists in one world and teaching in another. Nothing is further from the truth. You cannot separate the two. You cannot separate them even though it is rare to find

The Fund at \$11,200,000

ANOTHER month's campaigning lifted the total of the Brown University Bicentennial Fund another notch—to \$11,208,795 in mid-February, with gifts and pledges received from 8432 donors. More than 30 areas were still being covered by volunteers in the Middle Atlantic States, the Southeast, and the West Coast. The workers have their sights set on the \$15,100,000 capital gifts goal by June 30.

Toward a companion objective (though a 1964 one) the University reports gifts of \$8,038,774 toward the endowment phase of the Bicentennial Program, where the objective is another \$15,000,000. The total of gifts and pledges to both phases of the Development Program is \$19,247,569.

the same degree of excellence in both activities within one man.

Lastly, consider how a student is affected by the presence of a man actively engaged in research. The student, we agree, is here to get a liberal education, to be liberalized. He is relatively innocent of information, and it is the teacher's job to get it to him in the most efficient way possible, and to make him think about what he is getting.

Sometimes the best way is simply to give him a book and tell him to go away. So long as it is a good book and so long as the student knows how to read it and has the motive to do so, all will be well. But one of the best possible ways to produce the motive is to let that student see the active mind of a scholar at work on the material at hand. Excitement here, as elsewhere, is contagious. Upon such contagion does the communication of knowledge depend.

It is one thing to put a student down before a well-meaning, even articulate, teacher who may know a certain number of things well about his discipline but hasn't thought much about them recently. It is another thing to put a student down before another teacher who knows the same things but has been thinking about them. I know of no single principle more important in providing a liberal education than to make sure that the good student gets close to the good scholar.

In the 20th Century Renaissance

Now, all this has been true for a long time. But, to simplify it too much, let me say that it is more true than it has been for a long time. There do occur in man's progress certain points at which he suddenly breaks through one ignorance or another, beginning a series of discoveries or a series of ideas, new and powerful enough to change much of what he had thought before. Such periods occur rarely, and you and I are living in the midst of one, perhaps the first since just before the Renaissance.

We are flooded with new information about our world and ourselves, singly and in the mass. We are beginning to argue over the new ethical and moral ideas which always follow such new discoveries about the physical world. As many dictatorial minds have discovered to their pain, it is a fascinating and uncomfortable fact that, once new ideas or information begin to reach uninitiated ears, you cannot stop their hunt for more.

No revolution is more profound than that generated by new or more precise knowledge. The relatively recent discoveries in the physical and biological sciences will have caused such a revolution, whether we like it or not, before their implications are fully worked out.

These are conditions which demand the most efficient and meaningful relationship between teacher and student, for the information must be transmitted quickly from the informed to the uninformed mind. Anything which delays this flow of information hinders the liberalizing process of education. It is no good to put the student down before a benevolent but uncreative teacher who has stopped thinking. Indeed, it's positively harmful, for such a man can only transmit what he has learned, not what he is thinking.

In a time when new information floods upon us, it is dangerous to presume that only the reiteration of established ideas constitutes the liberalizing effect of education. A student becomes disrespectful of the new at the very time when he should be learning to cope with a world whose definitions are constantly changing. If you wish to create radicalism, be

it of the left or right, simply leave the student unprepared for new ideas.

Some colleges and universities may be guilty of this very thing, although not generally by intention. They fail to see two things: first, the corollary values of research, of which I have spoken; and, second, the fact that the institution's very chart of organization, its structure, effects what sort of education its students will receive. This last point has a lot to do with certain of Brown's virtues and possibilities.

The Kind of Institution Is Important

There are three generally recognized institutional structures in higher education: the college, the federated university, and the university-college. Each has its virtues, and each a different origin. It seems to me that the last of these, the university-college, most adequately fits the needs of our time. Brown is one of a very few examples of it.

Consider the structure of the college. Relatively small in size, without graduate facilities, and with few of its faculty engaged in creative research, it has the opportunity to bring teacher and student intimately together. But the likelihood of this teacher's being engaged in creative research is relatively small. So is the likelihood that the student will be moved to creative effort of his own. The college is an ideal structure for the inculcation of known truth, of established dogma, for these things may be well presented in such an atmosphere. In the midst of a flux of new knowledge, it is less likely to be efficient.

Paradoxically, much the same thing may be said of the huge federated university, where, in separate schools and institutes, a great deal of important research goes on. The trouble here is that this structure involves several faculties, one teaching undergraduates and the other graduate students. Relatively little of the excitement of new discovery flows down to the undergraduate.

The University-College's Great Opportunity

The advantages of the structure of the university-college are now, I hope, clear by implication. It has a single faculty engaged in both research and teaching. The transmission of new information from scholar to neophyte is unimpeded. This is why a university-college so well fits a time of discovery; this is why research, in its many forms, is so vital to its health.

Thus, it seems clear to me that the very structure of Brown University will demand a continuing emphasis upon the search for new information, upon the development of new ideas. This, in its turn, will require us to provide adequate facilities. We are attempting to provide them, with the help of our alumni and our friends. The differences between graduate and undergraduate study, growing smaller each year, also require some new thinking. The very nature of the world our students must live in demands it.

When all is said and done, when all the curricular schemes are put aside, the value of it all will still be a deeply personal one for all of us. Education is a desperately intimate business. And, I would insist, that sense of personal involvement with what men have thought and are thinking is the key to teaching, to research, to the pursuit of knowledge.

Brown's future life must continue to reflect this commitment. It remains a difficult thing to help men educate themselves, but I know of no place where it is likely to go better than at this University.

By BARNABY CONRAD KEENEY

The Troublesome Side of Research



THE PRESIDENT posed a question before the Advisory Council: Must new ideas be smothered because they may be unpopular?

RESEARCH IS THE PURSUIT of the knowledge and understanding that are the content of education and that will be the basis of human advancement. Publicly we hear mostly about scientific research, for that appears to our people and our government to be especially urgent and useful, and most money that is specifically spent on research is spent in science, both pure and applied.

But it is clear, too, that members of our Faculty who are not scientists are also actively engaged in research programs which are of great interest to them and of equal importance to us. One member of our Faculty is working on a problem that has troubled philosophers since Plato: How do we know what we know, or how do we prove that we know? No piece of research in any field is more fundamental or pure; none will be more useful, if we can get an answer.

Some scholars carry out their research with elaborate equipment, with teams of workers. Others go about collecting information about social attitudes or conditions by questions asked of the population. Some work alone. Some only contemplate; after hours or days or years of contemplation, they write down what they have thought.

It is natural to concentrate on the rosy side of research, on the benefits to the University and to society. I should like to speak about the troublesome side of research. I shall sum up what I am going to say very briefly by reminding you that the difficulty with research is that it makes people think. As

soon as people start to think, they either get into trouble or cause trouble.

This University is built on free inquiry on the part of the students and the Faculty. It was the intention of the founders that this should be so, and the intention has been developed by successive Corporations and Faculties. We have accepted free inquiry by the Faculty for many years, though it is still often challenged. Society has not gone so far in accepting free inquiry by the student.

The Sparks of Controversy

The older view of the student as someone who is being taught and simultaneously pursuing very free inquiry in non-academic fields is still persistent. But it is an obsolete notion, for the student is becoming an investigator, and the next generation of students will be more so.

Scientific research leads to many controversies among scientists, but to few in public. There are some notable exceptions to the contrary. The most celebrated of these is the one that resulted from Darwin's investigations. More recent examples are the controversy in Russia between Michurin and Lysenko in the field of genetics and, in this country, the controversy that is going on today over our efforts to conquer space (but this is not really a scientific controversy). It is interesting, I think, that there is not more public argument over scientific studies, for many of the results of scientific research are difficult or impossible to reconcile with our Judaeo-Christian theology and Christian revelation.

In our society results of research in the social studies critical of our economy, our political structure, our political practices—or even the interpretation of our history—are very apt to stir up controversy. If the controversy is directed to the issues, it is likely to serve a very useful purpose, for from such discussion comes the decision whether or not to apply new knowledge to old practices and beliefs and whether or not to change.

Research in the humanities in the areas of faith, morals, art, literature, and taste is very apt to stir controversy. Consider, for example, the heated discussion that has gone on throughout our generation about the very rapid developments in painting and sculpture. Consider, too, that the techniques in painting that you and I are beginning to accept as modern are considered quite obsolete by most painters.

A Scholar's Habit Is to Be Critical

Research and, indeed, teaching require that a group of learned men in various fields of study be collected together into an institution. These men are not isolated from life, or from the world in which they live. It is their habit, as scholars, to be critical, to examine things in the light of whatever evidence is available. From time to time a group of these learned men from several fields of study will gather together and consider together some question of public consequence, as citizens who are in the habit of being scholars. From time to time, as citizens, they make known their views, as any group of citizens may. Almost always, when they do, controversy ensues because often their views are critical.

At the other end of the ladder, a group of students who are beginning to be learned—and therefore critical—may apply their minds and their consciences to a social question, and they are likely to publish their conclusions in rather dramatic ways, sometimes through action and sometimes through writing. When they do, all hell breaks loose, but it does not stay

loose for so long because people are inclined to be more tolerant of young students than they are of old professors. Nevertheless, I assure you, that there is no greater test of a man's belief in freedom of the press than to preside over an institution where there is an uncensored daily student newspaper.

What Limits to Academic Freedom

We have then two sorts of controversy resulting from research or from the habit of research: the first is confined to conclusions in the man's own field of study and the second to social questions in general. The question arises: Why do we not say that academic freedom—which is, of course, what I have been talking about—applies only to professors' study and teaching in their own fields and to students' activities in the classroom and the library? This may, in fact, be a perfectly valid conclusion. Certainly the Russians like it, for it is exactly what they do. Yet in our society would it make any difference? Would it, in fact, be proper and legal to deny a man the right to express himself responsibly on any question whatsoever because he is a professor or a student?

The whole theory and structure of our society depend on the right of the individual to express himself in thought, word, and deed within the limits of the law on any question whatsoever. Within these limits, he may advocate a change in our form of government, provided he does not incite to force and violence or commit force and violence. He may criticize any

institution or any public figure, provided he is not obscene, libelous, murderous, or encouraging to murderers. He may properly say that the very moral laws by which we seek to govern our own behavior are wrong and foolish, but, if he acts out some of his suggestions, he may be convicted of lascivious carriage or of being a wanton.

This is the great difference between our society and totalitarian society, particularly Soviet Communism. The Russian or the Chinese may not express himself in thought, word, or deed within the law on any question whatsoever. He may not advocate a change in his form of government except by force, violence, or intrigue. He may not criticize any institution or any public figure except by libel or murder. He may not attack the moral structure of his society except by private and personal lasciviousness and wantonness.

The Threats to Free Inquiry

These are the most important differences that exist in the world today. They are a few of the rights of the individual. That is why, in our society, we cannot say to any professor or student: Teach or study what you will in the classroom, but do not come out of your classroom and say other things about other subjects. We can say to the mathematician: You shall teach mathematics in your classroom; you shall not teach political theory. We could suggest to the historian that he should not teach physics in his history courses, but in most cases the suggestion is unnecessary.

We can and must say to our professors and to our students that their words carry great weight, and that they must choose them with care, and study their conclusions with the same scholarly caution they use in their own work. Our Faculties must, and do, rid themselves of those who do not follow these precepts. Moreover, what they themselves say is subject to rebuttal and criticism, under the same freedom of speech which we all enjoy.

This is a period of great strain and tension in our society, and of great pressures, internal and external. In times like these people become frightened and, when people are frightened, their ever-present tendency to resist change is intensified and the threats to free inquiry increase in number and in potency. We have developed in this country the technique of smearing to a level that has never been reached before in history. We are quite ready to tell young men that they had better not express unpopular or unpleasant ideas because these expressions will always be in the record.

Think of the implications of this! It is one thing to say nothing that is done or said can ever be undone or unsaid. It is another thing to say that everything that one does and one says is recorded, but that only the bad things are piled together in a folder in Washington; that some day this folder will be pulled out and used, and that the accused will not be able to see the evidence, will not be able to question his accusers or even know their names; that the very court itself—which may not be a court of law at all, but a public hearing—will not be able to evaluate the evidence in terms of its validity. This is not very far from 1984 or from Moscow in 1960 or from Berlin in 1938.

The Dangerous Equation

We have developed guilt by association to an extraordinary degree. It used to be that one had to worry only about associating with unpopular or improper persons. When I was a boy, it was not wise to know a Communist. It is much worse



GREAT WEATHER for on Advisory Council Week End!



YOU'D NEVER GUESS this was Waterman and Brown Sts. As one looked north from Founce House Archway on Feb. 4, no traffic was seen at this

normally busy corner. Snow-covered excavation for the new Biology Building added to the bleak prospect.

now, for one must avoid associating with unpopular ideas. For example, there is no doubt that the Communists would like to have the House Un-American Activities Committee abolished. So would a good many other people who are not Communists, because they feel that the Committee, as it proceeds, violates the basic liberties guaranteed to individuals in our Constitution. Yet, if they express their feelings, they are immediately accused of being Communists because they want the same things that Communists want. Communists talk constantly of peace. Pacifists talk constantly of peace. The equation is made: pacifist equals Communist. I believe that pacifists are certainly unrealistic, probably foolish, and positively impractical. I do not believe that these add up to Communism, though I can very well see that Communists might manipulate pacifists.

Imagine what will happen when the Communists really catch on to this equation! All they will have to do to bring our whole society to a halt is to advocate everything that we advocate, and then we will not be able to advocate it any more.

For a generation now we have lived in fear of new ideas.

and those who conceived them have lived in fear of the effect upon their future. We are very ready to criticize our schools and our colleges for being inadequate to the demands of this age. Can it be that one of the reasons they are not better than they are is because the people who are in them fear to try new things?

We are critical of the general quality of our literature and of our art. Can fear have anything to do with this?

We are highly critical of our achievements in the Space Age. Can it be that fear of originality has hampered even our scientists? Can it be that we scoff at intellectuals because we are afraid of the ideas they may bring forth? These are the results of a generation of fear.

Once in a while an alumnus or friend of this institution comes to me and says: "Here you are, trying to raise money! Why don't you stop this radical talk among your students and Faculty? Why don't you tell them to keep quiet, and be quiet yourself, at least until you have finished raising the money?" I reply: "If we do that, we won't have anything worth raising money for; we shall have killed the thought for which Brown has lived 19 decades."



BUCKING that wind across The College Green, en route to the afternoon session.

ON THE WAY to deliver his
"State of the University"
address, President Keeney was
photographed before the JCB.



WORST DAY OF WINTER

IT HAD SNOWED all night; it was snowing when these photos were taken; it kept on snowing the day of the Advisory Council meetings. But all agreed the program was one of the best ever. Curious result of the storm was the inability of many Rhode Islanders to get to the Campus, but delegates were on hand from Chicago, Buffalo, Detroit, Cleveland, and other distant points.



LEAVING Sharpe Refectory after lunch.



UP GEORGE ST.,
with Littlefield
and Gardner House
in the background.



THE STORM OUTSIDE contrasted with the warm welcome within. That's the John Nicholas Brown Gate, with the Wristan Quadrangle in the background.

HOSPITALITY AT THE KEENEYS'

TEA at the President's House continued a popular tradition in opening the program for the 1961 Advisory Council, for officers of Brown Clubs, Alumni Directors, Class Secretaries, Fund leaders, Admission committeemen, and others (200 in all) back at Brown for Feb. 3-4.



ALUMNI ENJOYED greeting old friends on the Faculty at the Keeneys'. Prof. and Mrs. C. A. Robinson, Jr., were with Henry D. Shorpe, Jr., '45 and William E. McAuliffe '48.



MIDWESTERNERS included, left to right: Robert W. Buckley '27 and John Mank '24, Chicago; Octave P. Beauvais '18, Detroit.



AIDES in receiving: left to right, Donald Jones '40, Richard Pretot '45, Earl Horrington, Jr., '41, and Program Chairman Robert Kenyon '36.

FOURSOME from New York included, left to right: Bertram Schaller '43, Edward Sulzberger '29, Kenneth Rider '56, and Claude Worley '47, with a story to tell.

SENATOR Theodore Francis Green '87 and Melvin E. Sawin '14.



COMPUTING LAB

Its dedication proved a rare bit of academic showmanship, with the Machine as virtuoso.



DR. KEENEY with the donors of the building, Mrs. Thomas J. Watson, Sr., and Thomas J. Watson, Jr., '37.



TWO DAYS OF OPEN HOUSE were barely enough to accommodate all who thronged to see the new Brown University Computing Laboratory.

IT WAS AN EXTRAORDINARY DEDICATION which marked the opening of the Brown University Computing Laboratory on Jan. 12. You see, it is designed, not to accommodate large numbers of students and Professors but to house a single, fabulous machine, the IBM 7070, and those whose research and teaching require access to its marvels. There were certain amenities in the building itself, and very pleasant they were. And for the formal ceremonies which the occasion also called for, one moved to Sayles Hall before a Convocation of students, Faculty, University officers, and the company of special guests.

Even so, the intimate part of the program took place during the two days of Open House when Town and Gown thronged to the Lab, were marshalled in small groups, and taken into the presence of the computer itself. It behaved with good spirit, hospitably patient to perform tiny tasks which the layman could understand a little, at least could watch. The stunts were at the ABC level, most unworthy of a 7070's prowess. But we were curious, and the machine was

on view. In the festival mood, it could wait a day or two before returning to the electronic chores already scheduled for it.

First Installation in the East

The installation of the IBM 7070 data-processing system, it was pointed out, was the first on the Eastern seaboard, the second in the country. (MIT's machine, for example, is still on order; the other installation is at the University of Pittsburgh.) The Brown installation was made possible through a substantial grant from the National Science Foundation and the generosity of the IBM Corporation, as expressed through its educational-support program. (President Keeney said IBM had "built dear and sold cheap.")

The 7070, described by Prof. William Prager as the first of the second generation of computation machines, is a fully-transistorized tool of the most advanced design. It has a magnetic core storage of 5000 "words" of 10 decimal digits and sign each, with an access time of six microseconds. The pro-

(Continued on page 17)

DEDICATION

A CHANCE TO CHAT, too. With Trustee Watson are Mr. and Mrs. Edward T. Richards. Mrs. Conrad Green, left, is architect's wife.



HENRY D. SHARPE, JR., '45 (at left below) with Mr. and Mrs. Samuel T. Arnold, Jr. Shorpe was Chairman of Building Committee.



DEMONSTRATION after dedication of the Computing Laboratory. Right to left—Mrs. Thomas J. Watson, Sr., Mrs. Ronald S. Rivlin, Mrs. Thomas J. Watson, Jr., and Mrs. Bornaby C. Keeney.

RICHARD C. WARREN, Eastern Regional Manager of IBM, spoke for the company at the dedication.



(Continued from page 15)

gram as well as the data it processes can find storage in the core "memory."

For machine input and output, there are six magnetic tape units, each capable of handling up to 2400 feet of tape, containing 556 characters an inch and accessible at a speed of 75 inches or 41,667 characters a second. The information in a stack of IBM cards more than 100 feet high—more than 14 million characters—can be stored on a single reel of magnetic tape 7½ inches in diameter. An entire reel of 14 million characters can be read or written in less than 4½ minutes.

The machine can read 500 cards and punch 250 cards a minute, with up to 80 characters on each card. It can print 150 lines a minute, each line containing up to 120 characters. The system's console is capable of typing messages under program control.

This versatile computer is being used by researchers in a number of Brown's academic Departments already (some of their projects are suggested in separate stories elsewhere). The 7070 is available to other educational institutions and to Rhode Island business and industry for research projects.

The Father and His Memorial

The Brown University Computing Laboratory was given by Mrs. Thomas J. Watson, Sr., and Thomas J. Watson, Jr., '37 in memory of Thomas J. Watson, Sr. The junior Watson referred during its dedication to the fact that the center established "a new high in housing facilities of this sort." No father ever more richly deserved such a memorial, he said. There were a few anecdotes about the father, affectionately told, and some appreciation of Brown and the professors who had "tolerated" the son as an undergraduate.

A recurring theme in the day's remarks was that the machine, wonderful as it was, was only a tool for man. Professor Prager concluded his Sayles Hall address by offering a motto for the new Laboratory: "For the human use of human beings." (We published his address as an article last month, since his manuscript was made available in advance.)

It was significant, someone else said, that the machine had been brought to a place where there are students. Such computers were at home with youth, for the first machine for the purpose had been conceived by a young man: Pascal was only 18 or 20 when he invented one. It was significant, in the second place, that the 7070 was brought to scholars, and there was no group which more deserved such a tool than that which had brought Brown such eminence in the mathematical sciences, especially applied mathematics. And it was significant that it came to a community of students and scholars in the heart of a great city where good will was mutual—there was too great a tendency to isolate education and its component, research. (Lieutenant Governor Edward P. Gallogly represented the State and spoke felicitously, too.)

"God Speed Your Calculation"

One who spoke with particular grace was Dr. Raymond J. Seeger, Deputy Director of Mathematical, Physical and Engineering Sciences for the National Science Foundation. He in-

Machine Welcome and a ?

THE KING OF DENMARK, visiting the University of Chicago this winter, had a special greeting when he looked in on its Institute for Computer Research there. The Institute is building a new MANIAC (its third Mathematical Analyzer Numerical Integrator and Computer), which was far enough advanced to type out a "Welcome address to His Majesty King Frederik IX of Denmark from and delivered by the computer . . ."

Included in the welcome was a poem by a Danish engineer at the Institute, Poul Bjerre. (It should be remembered, of course, that the computers do not use the normal decimal number system but instead perform calculations in the binary number system, which uses only the digits one and zero.) We trust the poet and the *University of Chicago Magazine* will forgive our quoting:

"One or Zero," that's the ?

We in the family of binary numbers—

Count us as children of people abroad.

Sumerian, Arabian, and Roman scholars
shaped our family history tree.

Yet we are simple—our only concern is this:

"Is there something or nothing?" "Is it one or zero?"

That's all we need to know, to build ourselves,

as in ancient days when a young foreign prince
with "to BE one or not to BE one"

restored the Hamletron world.

interpreted Brown's motto, *In Deo Speramus*, anew to mean: "God speed your calculation."

Among those present were the architects, Philip Johnson of the New York firm of Philip Johnson Associates and Conrad Green '36 of Robinson, Green and Beretta, Providence supervising architects. Of the building itself, Johnson said in a program note: "I conceived the Brown Computing Laboratory as a *porticus*—a porch—to emphasize its importance as a technical center, its unique setting in the cityscape and its dignity as a memorial building. Though neo-Classical, therefore in conception, the materials and the design of the columns are quite contemporary. Only precast stone could have been used to form the X's of the entablature; only plate glass could render the porch usable in New England. By use of the red granite chips, I thought to harmonize the Laboratory with the 19th Century which surrounds it."

The Building Committee consisted of: Henry D. Sharpe, Jr., '45, Chairman, John Nicholas Brown, President Keeney, Provost Bliss, Professor Prager, and Watson. The general contractor was Frank N. Gustafson & Sons, Inc., Providence, in which Prescott W. N. Gustafson '36 and Clifford S. Gustafson '41 are principals.

The professional staff under the direction of Professor Prager includes: Prof. Walter Freiburger, Associate Director; Heinz Waldburger, programming instruction and supervision; Thomas H. Hughes, programming systems; Judith E. Schrier, statistical programs; Martin L. Sornberger, data-processing systems; and Gordon T. Wilmot, scientific computation programs.

PRINCIPALS

At the Dedication of the Computing Laboratory

THE STATE of Rhode Island was represented by Lieutenant Governor Gallaghy, at left below with Brown University's Secretary Curtis. The tapestry, gift of Architect Philip Johnson, is from a design of Arshile Gorki, abstract expressionist once of Providence.



SPOKE proudly of his fother, Thomas J. Watson.





DR. RAYMOND J. SEEGER,
left, represented the
National Science
Foundation. Others are
Dr. Keeney and John
A. Kearns of IBM.



THE ARCHITECTS were present, too:
Philip Johnson, left, with Conrad Green '36,
his Providence supervising architect.

BUILDING is a memorial to
Thomas J. Watson, Sr.
Mrs. Watson listened
beside President Keeney.





THE MACHINE is winning. Below, the battleground. Could you win?

		NORTH									
WEST	18	28	38	48	58	68	78	88	EAST		
	17	27	37	47	57	67	77	87			
	16	26	36	46	56	66	76	86			
	15	25	35	45	55	65	75	85			
	14	24	34	44	54	64	74	84			
	13	23	33	43	53	63	73	83			
	12	22	32	42	52	62	72	82			
11	21	31	41	51	61	71	81				
		SOUTH									

COMPUTER AT PLAY:

The Machine Was a Show-Off

THE PRESS was having a preview of the demonstrations which the staff of the new Brown University Computing Laboratory had prepared for its first Open House. One of the hosts was trying to persuade a photographer to try his luck in playing a simple game on a chess board, with the well-programmed IBM-7070 as his opponent.

"Go ahead," we said. "See if you're smarter than the machine."

"Hell, no," was the emphatic answer. "I'm not even smarter than people."

Although this man refused to be a candidate, others did play, and The Game became the most popular of all the demonstrations, although it was admittedly a stunt and hardly a typical demonstration of the machine's vast abilities. It was a fair game, too, and the machine could be beaten, though it rarely was. Perhaps you may be able to study how you could win if you were the opponent.

On a chess board, marked as shown on the diagram, there is a single piece, a chess queen. The two players, the visitor and the machine, alternate in deciding on the next move of the queen on the otherwise empty board. The queen starts from one of the fields in the northern or eastern borders and is allowed to move only towards the west, south, or southwest. The game is won by the player who brings the queen to the southwesterly corner of the board, the square marked 11.

The visitor starts the game by specifying the number of the spot which he chooses as the starting position for the queen. The machine then prints out a replica of the board, in which a V (for visitor) and an M (for machine) replace the numbers of the starting field and of the field to which the machine decides to move the queen from the starting spot. Subsequent moves are specified and recorded in a similar manner. The machine checks the legality of each move specified by the

visitor, and a violation of the rules brings a printed message: "Your move is illegal. Please correct it."

By playing a sufficiently large number of games against the machine and carefully analyzing the final records of these games, the visitor may improve his play to the point where he will consistently win. He must choose the right kind of initial position and follow up with proper moves. The machine, however, takes advantage of any false choice by its opponent. It even resorts to a little gamesmanship with such printed comments as: "This next move may be your last." It congratulates a winning opponent or says to a victim: "It looks as if I won. Would you like to try again?"

Here is a game which one student played. He chose to start on square 58. The play went from there as follows: M57, V46, M35, V25, M23, V13, M11 (winning). At one point, where the visitor was in a strong position, the machine warned: "Be very careful of your next move." The visitor goofed, however. Could you have avoided defeat, if you had been playing? Or won with another gambit?

Another demonstration by the 7070 was a calendar problem. Given a past date, the computer would determine how many days had elapsed since and on what day of the week this date fell. (Only dates after the Gregorian calendar reform were acceptable, of course.) An undergraduate who gave Feb. 19, 1939, as his birthday was swiftly told this was a Sunday 7999 days before. "Gee," said the student, in awe, "tomorrow I'll be 8000 days old!"

With speed an essential characteristic of modern computers, a counting demonstration provided a simple example of this. The computer could be made to count from zero by continuously adding to the number last obtained. The visitor was invited to control this counting process by hitting the Start and Stop keys on the console typewriter. One guest tried to stop the operation as soon as he could after starting it. The machine informed him at once: "I counted to 14,388 in approximately 1.3 seconds."

An elementary sort of translation was shown in what was called "transformation of information." The demonstration program had been written to accept as input the digital representation of an integer number of 10 digits, furnishing as output the corresponding English word for the numeral. Thus the year of Brown's Bicentennial was spelled out as "One thousand nine hundred sixty four." The number could as readily have been translated from English into French.

For the mathematically literate, the machine offered to evaluate a polynomial and its derivatives, or to do an exercise in trigonometric interpolation. This was a little advanced for some of us at the Open House. There were more takers for a demonstration of updating a modest inventory.

Brief and extremely simple programs were selected for the machine to deal with. It was felt that watching such demonstrations would give a better picture of the versatility of modern computers than a visitor might gain from a single look at something lengthier or more involved. And it was hardly fair to perform too long for one group while so many others waited outside.

In the outer seminar room, the visitors were treated to a composition for string quartet, played by live musicians but scored by a computer. The programmer had put in the ground rules of harmony and counterpoint; he could have ordained something in the style of Mozart, but this was in the modern spirit, appropriate to the machine. The element of chance was the equivalent of the creative spirit.

COMPUTER AT WORK:

Spotting 'Goony Birds'

IT WOULD BE MISLEADING to report, without explanation, that the new IBM 7070 at Brown University has been put to work to discover "goony birds" and "white elephants." After all, these are only convenient tag-words which serve to identify two aspects of one of the first projects in the Computing Laboratory. What the machine is being called on in this case is to help construct a more consistent text book for the teaching of language.

The pilot operation has to do with a German text for Junior High School students (7th graders) being prepared by Prof. W. Freeman Twaddell, Prof. Patricia O'Connor, and colleagues in Texas and Wisconsin. But the method employed, in Dr. Twaddell's opinion, has many possibilities for adaptation in the field.

The modern text in language-teaching, he says, is based on the necessity of building habits of sentence construction, without which mere vocabulary is not enough. A 5000-word vocabulary could be of little utility without that knowledge of linguistic structure (one no longer speaks of "grammar"—a limited and inexact conception). The goal of the text-maker, then, is to keep vocabulary limited, though flexible enough to help the learner.

The author of such a book must guard against two faults: He must not "throw too much" at the students and confuse them thereby. He must not ask the students to learn what they are going to be allowed to forget through disuse. If the text plays fair in these respects, it will provide a core of thoroughly learned material from which proper facility will follow. The author thus needs accurate information about the state of the students' vocabulary at all stages in the preparation of his text.

In the Twaddell German text, the year's work is being divided into 20 units of a week and a half each. In the first unit there are 20 sentences cunningly contrived for use so that practice will make the student memorize them. Over the year the student will be asked to learn 400 sentences. Does this seem a small assignment? The 400 sentences are carefully chosen and, through variation, provide several hundred pages of practice material. Taking a sentence from the basic unit, the text will replace a single element in it with six or seven structurally similar variants. "Please pass me the salt" will thus become "Please pass me the bread" or "Please pass me the butter." Does this sound like vocabulary practice? Incidentally it may be, but the real purpose is to teach the imperative and the indirect object. This drill passes on to a dozen or more practicable conversations—a chat on an airplane, for example, or remarks of two girls in a restaurant who are on a diet. One can do a lot of fancy things merely with different stage settings.

The writer of the text, we said, is on guard against two sins. Perhaps they become clearer now than when they were first mentioned. The author, knowing his language well, may be tempted to introduce a new word without realizing he has done so. Such a word the language-teachers at Brown have identified, for convenience's sake, as a "goony bird." On the other hand, the author may introduce a word early in the



THEY TOLD THE ALUMNI about research at Brown: Professors Montogna, Kucera, and Prager spoke before the Advisory Council. Dr. Kucera's project is described on the facing page.

basic sentences and then forget to use it again. Such a word is known as a "white elephant."

The innovation at Brown is to use the data-processing machine as a policeman to blow his whistle at either violation. While it may seem a tiny duty for such a powerful installation, the 7070 stands watch over human carelessness and does so with such ease that the operation becomes worthwhile.

Why use the machine? With it, the author can make total indexes of everything that has been done. The data processor can make and print repeated indexes at any stage at short notice. Compare the labor of getting at this by hand from 3 x 5 cards, when the machine slave can construct and use a reliable word index with colossal speed at any time. And the fee is \$10 or whatever the charge for the machine's brief service at the rate of \$185 an hour.

Professor Twaddell says the fact that he punched out his own 400 sentences in 3½ hours shows the simplicity and ease with which a layman may get a nodding acquaintance with the computer. He made a punch card of each word of his basic sentences, using a five-digit code which locates the appearance of the word in the text. The machine now could yield up a list, alphabetized and in order and telling where each word appears. Instead of the author having to remember where a word was used or searching back and forth for it, the machine tells him whether or not the reader has been prepared for it properly. If the results show a lapse of three or more lessons between a word's use, the machine tells the author, in effect, to make up a sentence to fill the gap.

The pilot operation is using German, where there are no special accent marks. To simplify matters, the umlaut becomes an asterisk at the end of the word. For French, accents and cedilla will need a bit more coding to distinguish them. A non-Latin alphabet like Russian presents further problems,

but they have been mastered in places where machine translation has made progress.

Professor Twaddell points out that the computer will simplify the preparation of a concordance for any book or writer in any language. Before the machine, there were few concordances: the Bible, Shakespeare, Milton, Chaucer, for example. The process was tedious and today would be costly in the old manual method. Cornell did a Mathew Arnold concordance on a relatively slow machine and found it practicable. A concordance of the Latin Bible is being made in Europe. But the faster 7070 enlarges the field of research possibilities to the point where more and more scholars will be able to provide concordances. If, for example, a specialist so wished, he might put 18th century sermons on the machine, or the literature of a science.

Scholars are talking of a "dream future," some future scanning device which will obviate an intermediate punching operation and transfer words directly from the printed page to storage in the machine's memory. This would seem to come within the realm of possibility. But even the punching is a major advance, not much more laborious than copying a document. One of its by-virtues is the way it helps to show up mistakes at once as a sort of electronic proofreader. It may reject such a word as "heneral," querying it by not accepting it with "general." In a column of repeated words, it is easier to spot a mistake in a block of identicals. Professor Twaddell suggests that the new German text should go to the printer with less inaccuracy than most and with less inefficiency.

It's been fun to try out the 7070 with the exercise. The 7070 has not disdained "such a simple operation." With all its fabulous resources, it has been very patient and done, uncompaining, the little it has been asked to do.

Why Languages May Sound Alike

LET'S SAY that you have some familiarity with French. Have you noticed that you could understand a bit of Italian, or Spanish, from your French? Some languages are related, stemming from a common ancestry.

Dr. Henry Kucera, Associate Professor of Slavic Languages and Linguistics at Brown, is engaged in a pioneering study of language analysis and comparison, using the resources of the University's new IBM 7070. He hopes that the study will shed new light on the development of certain languages and their mutual relationships. As a humanist, too, he is interested that modern electronic data-processing machines can serve not only the scientist.

The fact that certain properties of language can be investigated and described by using statistical and other mathematical techniques has been known for some time. In many such investigations, however, a very large number of speech utterances has to be examined before reliable and valid conclusions can be drawn—an extremely difficult task for a researcher who works only with paper and pencil. The availability of high speed data-processing machines such as the IBM 7070 is now making it possible to proceed from elementary research in this field to the consideration of more complex and significant problems.

Professor Kucera's project deals with sounds, the basic elements of speech. By examining many representative sentences of a language, he hopes to determine not only the relative frequency with which individual sounds occur in that language, but also more complicated matters, such as the frequency of certain combinations of sounds and of specific types of syllables and words. From this information, the mathematical probabilities of sound distribution can then be computed, and the whole phonological system of a language can be described in quantitative terms. Individual languages, moreover, can be compared on the same mathematical, or quantitative, basis.

Professor Kucera's project will deal initially with Russian and Czech, and later with Polish and German. Stages of research at which the 7070 data-processing system will be used include the initial transcription of sentences into symbols of the relevant sounds, the determination of the various frequencies of sounds and sound combinations, and the correlation of the final results that will have been obtained for the individual languages.

Professor Kucera defines his principal goals as: First, to analyze the sound structure of each of the languages under consideration. Then, to determine whether there exists a significant correlation between the quantitatively expressed similarity of the phonological systems of the two languages and the degree of their historical relationship.

During the current academic year, Professor Kucera's research is being supported by the Guggenheim Foundation and the Howard Foundation. He is on sabbatical but appeared before the Alumni Advisory Council in February to tell more about his project:

"Many of you," he said, "probably have had the experi-

ence of hearing a foreign language which you did not know but in which you were still able to understand occasional words, perhaps even whole sentences. If you studied Spanish in college, for example, and then happened to go to Italy, you were not completely lost: a great deal of what was said in Italian was fairly comprehensible to you. The same thing would happen in varying degrees if you knew Russian and listened to Polish, or if you knew German and heard Dutch.

"This partial understanding is due to the fact that languages are more or less related; they stem from a common parent language. But our knowledge about the nature and degree of this relationship is often vague and based on impressions of the evidence. In present day terms, the relationship of languages manifests itself by the fact that identical concepts or meanings are expressed in related languages by more or less similar sequences of sound. The frequency with which certain sounds occur in a language, and the manner by which they combine in groups can be expressed mathematically by defining the probability of occurrence of sounds and sound-groups.

"Such mathematical statements about two or more languages can then be compared. Of course, the determination of these probabilities of sound distribution requires that very large numbers of sentences be analyzed before one can hope to get any reliable evidence. For this reason, this type of research would have been previously almost impossible, and very little of this kind of work has been done.

"Now, however, the availability of the data-processing machines has made the approach realistic. My hypothesis, which I am now testing, is that there will be a significant correlation between the similarities of these mathematical statements about the sounds of languages and the degree of relationship of such languages. Eventually, in other words, it may be possible to develop a mathematical expression of linguistic relationship, at least on the phonetic level.

"Although one shouldn't imagine that every, or even very many, research projects in the humanities can profit from computer application, still it should be recognized that the computer does have a role in some fields within the humanities. Its main benefit to the humanist will be that it will enable him to concentrate on true inquiry, by freeing him from the pedestrian and tedious aspects of his research. He will be allowed to interpret and evaluate, rather than spend time on the collection and ordering of facts. In addition to this, it will also suggest and acquaint the humanist with more methodologies of research.

"It is only to be hoped that the humanists will approach technological advance both soberly and without prejudice. They will, I trust, recognize that the computer can serve them; they should not try to assume an unreasonably defensive and isolationist attitude about the progress made in other disciplines. It is also to be hoped that those in the foundations, in government, and other organizations which have the power to support or deny support to research, will have the same insight and wisdom about the humanities."

"One Solid Conclusion"

THE SOONER MAGAZINE of the University of Oklahoma printed two memos the other day. One was from the Editor telling his Number One Man to write about a new computer in terms a layman can understand. The other was the obedient explanation, which included these words:

"I have come to one solid conclusion: Computers were not meant to be explained. Rather, they were meant to be accepted, tolerated, or loved, depending entirely upon your point of view. . . . Nothing is sacred from such machines, you know. Not only are computers tracking satellites and writing Western stories, forecasting presidential elections and the outcome of football games, but they are even choosing marriage partners by mathematics. (I always thought there was something charming about the old-fashioned method.) A toy manufacturer has come out with a miniature electronic computer—just the thing for your child at Christmas. . . .

"Some day better explanations will be written, I am certain—just as soon as the new computer is completed, tested, and ready to write them."

A Psychologist's Models

THE HIGH-SPEED COMPUTER also comes to the rescue of a psychologist like Prof. Richard Millward, who is interested in the problem of human learning. He says it plays a useful role at nearly every stage of the experimental routine.

In the planning phase of research, mathematical models are often developed to describe the process of human learning. They sometimes require solutions to equations insolvable by mathematical techniques. A particular solution, however, may be obtained by using a high-speed computer like the IBM 7070 at Brown and "grinding out" answers.

Many human learning experiments require that the subject learn a number of different problems, each of which is composed of complex arrangements of items. Often, many trials are run on each problem. The preparation of the material to be learned, the Brown psychologist says, can often best be done by computers. Later, after the subject has been put through the learning task, his responses must be analyzed. Since the responses of several, even many, subjects are usually considered at one time, the great number of responses (as well as the complexity of the analysis) calls for the use of a computer.

You will recall that the theoretical model may have predicted certain results. When one wishes to compare the actual results obtained in experiments with the advance predictions, the correlation ability of the computer is called on again. Sometimes the model is so complex that explicit solutions cannot be obtained. However, the model may be tested by using it to generate a set of results, which may then be compared with the human results.

This is known as the Monte Carlo Technique. The researcher, let us say, wants to know how many trials it took for a subject to learn a given problem. Although it may be impossible to derive the theoretical value for this statistic of

the subject's performance, theoretical subjects can be "run" to simulate the theoretical model. The results obtained from the "simulated subjects" may then be compared with those obtained from the human subjects. If the two agree, some confidence is gained in the adequacy of the theoretical model.

Admission Testing

BROWN UNIVERSITY has perhaps the longest record of continuous educational testing in the country, thanks to the pioneering work by the late Prof. Stephen S. Colvin '91 and its development under others since his day. The search continues in the effort to find the best means of predicting student success. In one recent project, the resources of the Computing Laboratory have been brought to bear. They will provide rapid evaluation of test results, making possible an extensive sampling undreamt of in the days of hand computing.

For many years, the Office of Educational Measurement at Brown has been engaged in a study to evaluate the worth of various aptitude and achievement tests as guides to future student performance. It was obvious that an ideal set of tests would greatly aid in admission decisions. A demonstration of findings was shown in simplified fashion for early visitors to the new Computing Lab.

The sample data were based on the records for 54 college students who had been subjected to a variety of tests and had provided other information before admission. Among 23 factors, some of them shown in testing, were: academic average in school, class rank, verbal aptitude, English usage, reading vocabulary, reading speed, reading comprehension, mathematical aptitude, social studies accomplishment, verbal concepts, language skills, English achievement, math achievement, science achievement.

The machine was given the results of tests before admission to Brown, plus their academic averages at the end of a College year. A "correlation" program determined the relationship between any two tests and between any test and the academic averages, in terms of numbers between 0 and 1: the higher the number, the correlation coefficient, the more intimate is the relationship between the two tests. For example, the relationship correlation between academic average and class rank was found to be .336. Between academic average and a verbal concepts test was found to be .514. This was the best record for a single test.

A "regression" program showed how various tests can be combined to greatest advantage to predict academic averages: it orders the 23 variables according to their efficiency for prediction, providing weights with which these variables should be used in predicting the academic averages of other students. In the example cited above for this small group of students, the score on a verbal concepts test combined with scores in class rank and math aptitude increased the correlation with academic average from .514 (the highest single correlation) to .630 for the three combined. In practice, the program is applied to the entire entering Class of about 600 students.

By adding more tests, the ability to predict is steadily improved, but a point of diminishing return is reached where it is not feasible to introduce the other tests. The ideal behind the research is to give fewer tests but to seek the best.

Under the Elms of Brown

WITH DEAN LEWIS on leave of absence because of illness, Prof. Robert W. Kenny was appointed Acting Dean of Pembroke in January. He is no stranger to decanal duties, for he was Dean of the College at Brown from 1947 until he left for active military service. Miss Lewis was expected home from the hospital in late February but would not return to her office at once.

THE CENTENNIAL of Italian unification was celebrated at a banquet in Sharpe Rectory on Feb. 8, a University compliment to hundreds of Rhode Islanders who are of Italian descent. The committee on arrangements included: Maury Caito '34, Secretary Howard S. Curtis, Alexander A. DiMartino '29, and Michael A. Gammino, Jr., '45.

AN ANALYSIS of metropolitan growth and change in Rhode Island will be supported by the National Science Foundation under a \$34,600 grant to Brown. The three-year research project will be directed by Prof. Kurt B. Mayer, Chairman of the Department of Sociology, and Prof. Sidney Goldstein. They will make use of 1960 census data, which for the first time is now available for an entire State.

BROWN has received notification from two governmental agencies of the award of grants for research being carried on by Prof. William N. Findley of the Division of Engineering, and by Donald S. Blough and Allan M. Schrier, both Assistant Professors in the Department of Psychology. Professor Findley's project, "Fatigue Under Combined Stresses," is being supported by the National Science Foundation in the amount of \$60,000 over a three-year period. The grant for the work being done by Professors Blough and Schrier, entitled "Psychological Studies of Vision in Monkeys," is in the amount of \$7,385. This is the second year that their work has been supported by the United States Public Health Service.

SOVIET-TRAINED PHYSICISTS will become dominant in the scientific community of Communist China in the next decade, according to Prof. Robert T. Beyer. In a report presented recently in New York during a session of the American Association for the Advancement of Science, he noted that close cooperation between Chinese and Russian scientists has led to considerable work in China on fundamental problems in nuclear physics. However, he also pointed out that most other heavy scientific concentration is in applied areas, such as in the production of better steel.

DR. MICHAEL C. J. PUTNAM, Classics Instructor, has been picked to help organize a new center for Hellenic Studies in Washington, D. C. The center will be established and administered by Harvard

under a \$5,000,000 grant from the Old Dominion Foundation.

PROF. OTTO E. NEUGEBAUER, Chairman of the Department of the History of Mathematics and authority on Egyptian and Babylonian science, is among 10 outstanding scholars in the nation awarded \$10,000 each for their contributions to humanistic scholarship by the American Council of Learned Societies. Professor Neugebauer has earned an international reputation by deciphering previously incomprehensible cuneiform texts and, by this means, contributing to the knowledge of ancient mathematical procedures. The National Science Foundation has given Brown a \$32,200 grant to support his further work in the history of mathematical astronomy.

THE DUPONT COMPANY has sent Brown a check for \$25,000 toward the new Science Library at Brown. Three other Dupont grants, totalling \$10,700, were in support of teaching and research. Some of this was to help strengthen undergraduate teaching of subjects which contribute to scientific and engineering education.

GRANTS from the National Science Foundation for research in aerodynamics

and mathematics were announced in January. The sum of \$72,700 was awarded to cover three years of investigation into the effects of free stream turbulence on boundary layer transport (Dr. Joseph Kestin and Dr. Paul F. Maeder). Basic research in algebraic geometry will be supported by a \$37,000 grant. The program is directed by Dr. Iacopo Barsotti.

PROF. J. WALTER WILSON '18 and Dr. Elizabeth H. Leduc will use the new Siemens electron microscope made available through a \$13,681 grant from the U. S. Public Health Service. They are investigating nuclear phenomena in the mouse liver. Research on "perceptual discrimination in children," being conducted by Dr. Judy F. Rosenblith, psychologist, is supported by the first of two annual grants of \$7,677 from the same source. The Public Health Service is also aiding Prof. Lealyn B. Clapp in his second year of research on the chemistry of ethylenimines; the new grant is \$7,245.

PROF. PHILIP J. BRAY '48 went to Emory University in February for two days as Visiting Lecturer under the auspices of the American Association of Physics Teachers and the American Institute of Physics. His special lectures were part of a program supported by the National Science Foundation to stimulate an interest in physics. A similar visit was paid by Prof. Robert T. Beyer to Notre Dame College, Cleveland.



CLASS SECRETARIES, 17 of them braved the storm on Feb. 4 to attend their annual meeting. Front row, left to right—William M. McSweeney '19, Martin L. Tarpy '37 (Chairman), Richard J. Tracy '46 (Secretary), Wiley H. Marble '12. 2nd row—Clinton N. Williams '31 (Treasurer), Rolland H. Jones '49, Robert W. Kenyan '36, Daniel Fairchild '45. 3rd row—Richard A. Hurley, Jr., '32, William A. Victor '62, Earl W. Harrington, Jr., '41, and Prof. Harold W. Pfautz '40. Others present but not in the picture: George T. Metcalf '13, Earl W. Harrington '14, William Surprenant '51, Wendell B. Barnes, Jr., '61. Chairman-elect is Robert Cummings '50.

AT THE ENGINEERS' ANNUAL MEETING



ASSOCIATION GIFTS from President Rolph Knight '21 were received for the Division of Engineering by Chairman Paul Symonds, left.



MAIN SPEAKER was Prof. Charles Smiley, left, Chairman of Astranamy Department; with Stephen McClellon '23 and Claude Warley '47.



PROF. PAUL MAEDER was another visitor from College Hill, seen at left with Robert Perkins '29.



B.E.A. STALWARTS: left to right, George Pournaras '25, Secretary; and Post Presidents E. Lawrence Chondler '09 and William Rooney '20.

Bicentennial Dates

KICKOFF MEETINGS for the Brown Bicentennial Development Program were scheduled as follows for March on a tentative listing at the Campaign Office:

Mar. 8—Hartford. 13—Richmond, Va. 14—Buffalo and Atlanta. 15—Waterbury, Conn., and Jacksonville, Fla. 16—Tampa and St. Petersburg. 17—Miami, Fla. 23—New London. 27—Vermont. 28—Albany, N. Y., and Washington, D. C. 29—New Haven, Harrisburg, Syracuse, and Baltimore. President Keeney was to be the speaker in Hartford (his old home town), Atlanta, the Florida meetings, Washington, and Baltimore. Chaplain Charles Baldwin was to be the Campus representative in New London, Vermont, and Albany, while Prof. Merton Stoltz had accepted the Harrisburg invitation.

Later dates are: Apr. 6—Binghamton, N. Y. Apr. 7—Poughkeepsie, N. Y. (Prof. MacV. Edds at both). Apr. 27—Princeton and Trenton, N. J., with Professor Stoltz. Dr. Stoltz will also be the speaker in Wilmington, Del., on May 2, while Dr. Keeney goes to Philadelphia for a May 1 meeting.

All the listing is subject to local confirmation, but the campaign was obviously continuing in intensity with the addition of new areas of emphasis. President Keeney made a February swing to the Pacific Coast for meetings in San Diego, Los Angeles, Seattle, Portland, Ore., and San Francisco. Prof. John Workman went to Pittsburgh on Feb. 11, while Chaplain Baldwin went to Rochester, N. Y., on Feb. 13.

Films and Football

THE ROCHESTER Brown Club held its first annual Sub-Freshman get-together Dec. 22, and 56 boys were on hand to see the color movie, "A Succession of Men," and films of the Thanksgiving thriller with Colgate. Coach John McLaughry was present, and he talked most convincingly of the Campus. The boys agreed that he is quite a man! Bill Margeson '37 was good enough to come from Syracuse to help us, and this fine alumnus agreed that the Rochester Club will bear watching in the future, especially in the admissions area.

BOB RYAN '52

The Engineers' 49th

NORMAN P. PRUDEN '38 of Providence became the President of the Brown Engineering Association at the annual meeting on Jan. 25. He is with Manufacturers Mutual Fire Insurance Co. The other officers elected by mail ballot for 1961-62 are: Vice-President—Stephen A. McClellan '23, President of Specialties, Inc., Syosset, L. I., N. Y., and Charlottesville, Va.; Secretary-Treasurer—George Pour-naras '25 of Texaco, Inc., in New York; Executive Directors—J. O. Starkweather '45 of M. W. Kellogg Co. and Robert Chase '48 of Babcock & Wilcox Co., New York representatives; Zenas W. Bliss, II, '50 of Blackstone Mutual Insurance Co. and Richard J. Tracy '46 of General Electric Co., representing Rhode Island.

The Brown Clubs Report



INDIANAPOLIS WELCOME awaited Prof. Albert Van Nostrand on his January visit with the Brown Club. Right to left are: Dr. Van Nostrand, R. K. Gage '51, Mrs. Gage, C. E. Bamford '48, and Mrs. Bamford. Photo at the Athletic Club courtesy of the Indianapolis Star and News.

Prof. Charles H. Smiley was the speaker at the 49th annual dinner of the BEA, held at the Brown University Club in New York. His topic: "The Russians Fail, Too," prompted a good question period. The Engineering Faculty and the student body were also represented in the speaking program, for which the retiring Association President, Ralph C. Knight '21, was toastmaster. In spite of the stormy night, a strike, and other community problems, the turnout was a good one.

The Association turned over \$600 to Chairman Paul Symonds: \$300 for the Brown Engineering Association Fund, \$100 as an addition to the James Hall Fund, and \$200 for the general use of the Division.

Carberry's Hoosiers

ON CARBERRY DAY last—Friday, Jan. 13—some 32 Brown-Pembroke faithful gathered for dinner at the Indianapolis Athletic Club to honor Prof. Josiah, who had promised to be present. Knowing the Professor's proclivity for missing appointments, the group had also scheduled a talk by Prof. Albert Van Nostrand of the Brown English Department and the film, "A Succession of Men." Throughout the dinner hopes continued to run high that Professor Carberry might yet appear, but crashed as a Western Union messenger rushed into the room waving not one, but two telegrams. (These were noted in our February issue.—Ed.)

Dejected, the group sought solace in the traditional Carberry Day ritual of pocket-emptying—into an appropriately priceless porcelain pot provided expressly for the occasion from the ceramics collection of the local art museum. When the clinking subsided, the group was found to be lighter by \$5.41, which sum Dick Gage was duly commissioned to transmit to the Providence keeper of the Carberry Fund.

Spirits revived considerably with Professor Van Nostrand's stimulating account of campus doings and the film which followed. All present agreed that such faculty-alumni association is most valuable, especially in transmitting to the alumni via excellent talks such as that of Professor Van Nostrand some sense of the exciting educational activity going on at the University.

Among those present from Indianapolis were Mr. and Mrs. Harold Austin '43, Dr. and Mrs. Howard Baetzhold '44, Mr. and Mrs. Cal Bamford '48, Blair Blage '58, William A. Dyer, Jr. '24, Mr. and Mrs. Charles Fort '19, Mr. and Mrs. Paul Fontan '45, Mr. & Mrs. Richard Gage '51, Mr. and Mrs. Daniel Grubbs '26, Mr. and Mrs. Alfred E. Kessler '35, Mr. and Mrs. E. Sheldon Knowles '39, Dr. and Mrs. Russell Lane '21, Dr. and Mrs. John Mealey, Jr. '48, Mr. and Mrs. Al Senecal '38, and Mr. and Mrs. John Truelson '42. Dr. and Mrs. William Luther, Miss Mary S. Haram, and James R. Rees A.M. '54 joined us from Elkhart, Marion, and An-

derson, Ind., respectively. Pembroke was represented by Miss Haram and the Mesdames Fort, Gage, Kessler, Knowles, and Luther.

HOWARD G. BAETZOLD '44

The Glee Club on Tour

A CONCERT in Montreal before the Canadian Music Educators Convention on Apr. 5 will be a feature of the Spring Concert Tour of the Brown University Glee Club. Prof. Erich Kunzel will also conduct the following concerts on that holiday trip:

Apr. 2—Lake Erie College will sponsor the concert in Painesville, O. Apr. 6—Pittsfield, Mass., under the patronage of the Berkshire County Brown Club. Apr. 7—Albany, N. Y., sponsored by the Brown Club of Northeastern New York (a tentative date, as this was written). Apr. 8—Bronxville, N. Y., sponsored by the Brown Club of Westchester County. Apr. 9—Glen Ridge, N. J., with the Glen Ridge Rotary Club as sponsor.

On Boston's Calendar

THE BROWN CLUB of Boston has presented and will continue to present a varied schedule of activities for the 1960-61 season. At our Jan. 10 luncheon, Dean Lloyd W. Cornell discussed aspects of admission, with special emphasis on why a certain percentage may be rejected. His talk prompted a lively discussion on all aspects of admission policy.

On Feb. 22, the Club sponsored a new event—a cocktail hour and dinner prior to a jaunt to the Brown-Harvard hockey game. John Prendergast and Don Whiston were in charge of that event.

Returning to the luncheon schedule on Tuesday, Mar. 14, Prof. Merton P. Stoltz, Chairman of the Economics Department, will address the members. The affair will be at the University Club, 40 Trinity Place, at 12:15.

The annual banquet will be held Apr. 10, and Chairman Dan Braude will have additional details in the next issue of this magazine.

NORMAN B. SILK '49

Umbrella from Oregon

PROF. JOSIAH S. CARBERRY had planned to meet with the Brown University Club of Portland, Ore., on Friday the 13th of January, President Marshall L. Snyder '30 told the members who gathered at his house for dinner. However, he was called back to the East Coast at the last minute, unexpectedly, Dr. Snyder said. The new Secretary of the Club, Miner T. Patton '32, writes further:

"Professor Carberry departed so hurriedly that he left his umbrella behind. Under separate cover, I am forwarding this umbrella, bearing the Carberry initials, J.S.C. This is to be held with other Carberiana at the John Hay Library, except that we would like to stipulate that it be made available for loan to those absent-minded professors caught without protection on rainy days, until such time as it shall be claimed by Professor Carberry. I



OREGON'S Carberry relic is already in use.

also enclose a check for the Carberry Fund, representing the loose change at the dinner."

Patton succeeds Ashley Greene, who has served as Secretary "well and faithfully" for many years.

The *Oregonian* duly noted that the Club had met to observe Carberry Day and that it also chose the time to welcome the most recent Brown graduate to take up residence in Portland, William Bliss Wood '41, new head Librarian of the Multnomah County Library Association. Other guests were: Mr. and Mrs. William H. Breeden, Mr. and Mrs. Walter T. Davol, Mr. and Mrs. F. Harlan Flint, Mrs. Patton, Mr. and Mrs. Gordon Perry, and Mr. and Mrs. Charles Colbert of Salem, Ore. Dr. Snyder was reelected President of the Brown Club.

Syracuse Success

THE SECOND annual Sub-Freshman Christmas Party sponsored by the Central New York Brown Club was a rousing success, with 64 youngsters attending the affair in Syracuse. Football Coach John McLaughry was the principal speaker, and he had with him movies of the Colgate victory as well as the University color film, "A Succession of Men."

Chairman Harry Remington and his group of workers deserve a bow for the fine job they did, both on the arrangements and in the careful selection of outstanding applicants. Working with Harry were Bob Conley, George Wilcox, Tom Davis, Ducky Drake, Dick Morris, Dick Greene, Ray West, Al Shepherd, and a newcomer to the area, Dave Durfee.

BILL MARGESON '37

Two Welcomes in Miami

GUY H. BURT '35, Miami insurance man, has succeeded Albert J. Pereira '38 as President of the Brown University Club of South Florida and promptly undertook leadership in two spring events for the alumni in that area. President Keeney was scheduled to speak before the annual dinner on Mar. 17, when the largest gathering of Brunonians in the area was expected. The Club would again be active in hospitality for the Brown track squad and Coach Ivan Fuqua during their April stay in Miami.

Although Pereira resigned from the Club presidency, he will continue active as local leader for the Bicentennial Development Campaign. He is District Sales Manager for Trans World Airlines, with a territory that includes Latin America, but he has been an effective officer in spite of his travels. Dr. C. M. Stone, Jr., '38 and the retiring Secretary, Ed C. Bliss '47, have joined Pereira in assuring Burt full support, when the new slate of officers is approved at the annual meeting.

Jersey Candidates

THE LACKAWANNA Brown Club entertained 50 candidates for admission Dec. 17 at the Beacon Hill Club, Summit, N. J. Many of the young men were accompanied by their fathers, and several high school guidance personnel also were present. Arthur Taylor of the Brown Admission Office gave an excellent talk and then showed slides of the Campus. Norman Wright '49, President of the Club, presided. Among others, he introduced Jack Rohrbach '62, newly elected Captain of the football team. Herbert Wieboldt '50, Chairman of the Sub-Freshman Committee, arranged the program.

Sports and North Shore

FOOTBALL COACH John McLaughry was to be featured guest of the North Shore Brown Club at a gala sports night program Thursday, Mar. 2, at the Hotel Hawthorne in Salem, Mass.

The Club now holds its monthly meetings on the second Tuesday evening at The King Hooper Mansion in Marblehead. This is one of the historic homes of America, and it is currently the site of the Marblehead Arts Association. A series of meetings will be held jointly with this organization, at which the guests will be members of the Brown Faculty. All meetings will be opened to the public.

William D. K. Crooks '56 has been elected President of the Club for the coming year. His address: 26 Summer St., Apt. 11.

HAROLD M. JACKSON '15

SPORTS

A Good Year in the Tank

THE SWIMMING TEAM continued to post the best record for the indoor season. Coach Joe Watmough's mermen entered the second semester sporting a 6-2 record, with the only defeats coming at the hands of Harvard and Yale. The most recent victories were over Penn (59-36), Springfield (54-41), and Coast Guard (60-35).

Yale's perennially powerful swimming team scored its 200th consecutive victory by dunking the Bruins at New Haven, 63-32. Brown's only victory came in the 440-yard freestyle relay, in which Dick Paul, Paul Huffard, Tom McMullen, and Ben Kilgore collaborated in setting a school record of 3:33 for the event. John Morris, free style ace, bettered his own Brown records in the 220 and 440-yard freestyles but the marks won't count since he finished second in both events. He bettered his mark of 2:11.2 in the 220 with a 2:10.4, and his time in the 440 was 4:42 as compared with the Brown record of 4:47.

Superior depth told the story against Penn at Colgate Hoyt. Brown won only three of nine events but had a wide edge in seconds and thirds and also took both relays. Individual winners for the Bears were Morris in the 220 and 440 and John Conron in the backstroke. Relay victories were scored by the team of Bruce Rogers, Bill Fulton, Prentiss DeJesus, and Paul in the 440 medley and the quartet of Huffard, Kilgore, Ken Middleton, and John Sauter in the 400 free. The victory gave Brown a 3-2 edge against Ivy competition.

Morris again led the swimmers in the victory over Springfield, taking both the 220 and 440-yard freestyles. Other winners were Huffard in the 60-yard freestyle, McMullen in the 100 free, Fulton in the 200 breaststroke, and the good 400 medley relay team of Rogers, Fulton, DeJesus, and Paul.

Huffard was the star of the meet with Coast Guard, scoring a double by taking the 50 and 100-yard freestyle. The feature race of the one-sided meet was the 100 free, in which Huffard came from behind on the last lap of the 25-yard pool and edged out Coast Guard's Nils Linfors in 54 seconds flat.

Better After Midyears

WINNING TWO of five games since the last report, the basketball team brought its over-all record to 4-10. The Ivy mark stood at 1-3. The victories were against Harvard (73-53) and Northeastern (83-64), while the Bears lost to Yale (75-67), Princeton (71-60), and Penn (77-46), all in road games.

After a disappointing defeat in the opening Ivy game at New Haven, the Bruins snapped a four-game losing streak with the decisive 20-point decision over Harvard. With the Crimson leading, 41-39, at the three-minute mark of the second half, Brown broke the game wide open after



HEADING SOUTH for the spring holidays, the Brown track team has meets scheduled for Coral Gables, Fla., on Apr. 1, 5, and 9 with the University of Miami. The squad is helping to finance its trip through \$1 tickets sold to alumni. This sketch appears on the tickets.

resorting to a full-court press. During the next five minutes, the Bruins' vigorous defensive efforts harried the Cantab offense, forced a number of steals and bad passes, and led to a succession of easy scores. Over that stretch, Brown reeled off 18 straight points. For the night, Capt. Forrest Broman and Mike Cingiser each had 16 points.

Brown basketball teams have never won a game at Princeton and have only one victory to show for their visits to Penn. This season followed the general pattern, as Coach Ward's men lost to the undefeated Tigers and powerful Quakers. Cingiser had 30 points for the trip.

In the first game following the exam period, the Bears bounced back and crushed Northeastern. Captain Broman had the biggest night of his college career as he scored 36 points. This was the highest total by a Brown player since Joe Tebo hit for 41 against Cornell in the final game of the 1957 season. Broman hit on 17 of 22 shots from the floor and added two from the foul line. His 17 field goals represent a total that has been bettered by only one other Bruin player in the school's basketball history—Harry Platt, who dropped in 21, also against Northeastern, back in 1938.

After 14 games, Cingiser and Broman were still running neck and neck in the scoring race. Cingiser had 238 points for a 17.0 per game average, while Broman had 234 for a 16.7 mark. The next three scorers were Gene Barth, a good Sophomore (104), Greg Heath (104), and Ted Gottfried (93).

Looking for That Win

AFTER 12 ATTEMPTS, the hockey team was still without a victory. Prior to the exam period, the Bear sextet lost to Boston College (7-2), Princeton (5-1), and Yale (3-2). There were no soft touches scheduled in the remaining nine games, and Brown's first hockey season without a single victory was a definite possibility.

In the first meeting with Boston College, the Bruins were bombed, 12-1. In the re-

turn engagement Brown concentrated on defense against a team rated as one of the top units in the East. With Capt. Rod McGarry playing brilliantly in the nets, the Bears amazed the partisan Boston fans by holding the high-flying Eagles scoreless through the opening period. However, B.C. countered with a five-goal blitz early in the second session to settle the outcome. McGarry had 36 saves for the game.

The Bruin captain was shelled almost at will in the Princeton game, turning back 44 shots to 10 for the Tiger goalie. The undermanned Bruins made a fight of it against the league-leading Elis before bowing, 3-2. Going into the third period trailing, 2-0, Brown came roaring back on goals by Bruce McIntyre at 6:14 and Ed Ennis at 9:12. Pressing the attack, the Bears had several near-misses before Steve Ripley of Yale broke in all alone on McGarry at 19:24 and slipped home the winning score.

Brown played these three games with only 11 skaters, plus the goalie.

Sports Shorts

BOB LOWE, Brown's Senior track star, received a special award from Words Unlimited at the annual January dinner of the Rhode Island sportswriters and sportscasters. Lowe was rated one of Rhode Island's finest athletes of the year and "one of the finest trackmen ever to represent Brown."

Jim Moreland, the IC4A 440-yard hurdles champion, won the New England intercollegiate 440-yard run in the annual Boston Athletic Association Games. His time was 50.7. Bob Lowe was fifth in the two-mile run, and the two-mile relay team was second to Boston College. Earlier, in the K of C Games, Moreland was edged at the tape by Charlie Buchta of Holy Cross in the N. E. intercollegiate 500-yard race.

Coach Ralph Anderton's wrestling team was still looking for a victory after three matches. The grapplers dropped decisions to Penn (28-9), M.I.T. (17-15), and Columbia (26-9). Bill Wood was undefeated in the unlimited division, while Capt. Gene Bouley (137) and Bart Mosser (147) each had two decisions in three outings.

The Athletic Department is currently negotiating with a local radio station for the broadcasts of the Brown football games next fall. Under the tentative program being discussed, all games would be broadcast, whether home or away.

About 15 years ago the late Lewis S. Milner '02 was host at a dinner for Rhode Island sports writers and Brown coaches. It became an annual custom, much appreciated. Athletic Director Paul Mackesey has continued this since Milner's death, and the 1961 gathering was held at the University Club in Providence on Jan. 30 with 25 present.

Cliff Stevenson, soccer coach, has been named Chairman of the NCAA Rules Committee on the sport. Cliff is presently preparing for his first season as coach of the Bear lacrosse club.



OFFICERS of Brawn Clubs and Classes were prominent in the Advisory Council audiences on the Campus last month.

Brunonians Far and Near

EDITED BY JAY BARRY '50

1887

THEODORE FRANCIS GREEN was accorded a unique honor in January when it was disclosed that the Senate Foreign Relations Committee had voted to make him its permanent "Chairman Emeritus." In a letter to the former Senator, Chairman J. William Fulbright said that the Committee "deems it a privilege to seek your advice from time to time on the problems of foreign policy with which you have become so familiar over the years."

Mr. Green received in January the first annual Humanitarian Award of the Providence County Chapter of the National Foundation, March of Dimes. He was cited for "a lifetime of unselfish dedication to the needs of others." In accepting the award, he recalled discussing the March of Dimes campaign at the start of his 24 years in the Senate with the late President Franklin D. Roosevelt.

1893

Dr. Alexander Meiklejohn received the Franklin D. Roosevelt Award for 1960 at the annual convention of the National Lawyers Guild in San Francisco, with the following citation: "Philosopher, who has the rare quality of relating philosophy to life. Educator, who has been an outstanding leader in vitalizing the processes of education. Wise interpreter of the Constitution, whose pen has flamed for freedom in a time of peril to our basic rights of speech and conscience. Gentleman, in the true meaning of the word, whose sym-

pathy is for all mankind and whose voice is ever raised for peace."

Daniel Howard celebrated his 96th birthday on Dec. 15. Brown's oldest living graduate went down to New York from Hartford before the snows and enjoyed meeting Dr. Meiklejohn while there.

1896

The Rev. Harry S. Mabie, reading of Jesse Smith's 90th birthday in the January issue, writes: "Me, Too, Jesse." Mabie was 90 on Oct. 4, and the milestone was celebrated by the Adult Bible Class of the Ninth St. Baptist Church of Cincinnati, of which he is a member. A surprise party and birthday cake made it a gala occasion.

1898

Dwight K. Bartlett had been a Director of B-I-F Industries, Inc., in Providence for 40 years. He terminated his membership on the Board, however, when the stockholders held their recent annual meeting. Bartlett spent 45 years with the company, retiring as a Vice-President in 1955.

1899

J. W. Dows must have set some kind of record when the *Bridgeport Post* published five of his letters in one recent month. One of the letters was given the whole space allotted to such communications, a 20-year rule to the contrary notwithstanding. "Dulcifier's" favorite subjects are education and economics.

1900

Arthur L. Perry, one of the oldest bankers in Rhode Island, retired in January as an active officer of the Washington Trust Company of Westerly. He will continue as a member of the Board and as Executive Committee Chairman. He has been active in the banking field for 42 years.

1902

"Arthur W. Pinkham," said an editorial in the *Lynn Item* at the time of his death, "combined the efficiency and vision of an astute business leader with a sense of civic responsibility in a happy and fruitful combination. His zest for community service found a wide variety of outlets. . . . He never was bored or casual about any assignment he undertook. To each he brought the full impact of a vigorous personality and an active, inquiring mind."

The remarkable story of Mrs. Jeremiah Holmes was told in the *Mystic Compass* shortly after her death on Jan. 7. She fell in 1895 and suffered a creeping paralysis for the next seven years. "As a last desperate chance, she was taken to a distant sanitarium. Here all treatments failed, including efforts by a world-famous doctor, who said he knew of no medical man in the world who could effect a cure. He recommended, and she approved, asking for divine healing. He prayed audibly, and she made her petition silently, her condition having long since deprived her of the power of speech. Nurses and physicians present joined.

"Suddenly the pain in her spine ceased, she began praying aloud, and soon after she stood on her feet and walked for the first time in the seven years of her illness. This happened in 1902, preceding her marriage to Jeremiah Holmes in 1905.

"For the next 55 years, they joined in a ministry of love and helpfulness in their home. . . . Since coming to Mystic 12 years ago, Mr. and Mrs. Holmes have been ac-

tive in the two Congregational Churches and the Golden Age Club."

1905

Ray Cady reports that the main event last year was the arrival of his first great-grandchild—Carolyn Anne Sturz.

1906

Arthur L. Flagg received the following citation from the University of Arizona recently on the 75th anniversary of its founding: "Graduate of Brown University with the degree of Bachelor of Arts in 1906; registered mining engineer and Curator of the Arizona State Mineral Museum; author of 'Mineralogical Journeys in Arizona'; recognized as a natural authority by gem and mineral societies; enthusiastic sponsor of Rock Hound Clubs and other groups, who has stimulated interest in the natural wonders of Arizona on the part of both young and old; distinguished geologist and mineralogist who has contributed so much to his community and to the State, Arthur L. Flagg."

Beginning last July, special events were held at convenient occasions, at which times the awards were made to 100 Arizonians who are neither alumni nor in any official capacity with respect to the University. Arthur was hospitalized July 18, following a coronary, and was not able to receive his award until Dec. 21. He left the hospital Sept. 3 but isn't as yet restored to full activity.

1907

One of the most successful series ever aired by WGBH-TV, Channel 2 in Boston,

was that given in 1957 by Prof. Zechariah Chafee, Jr., on "Constitution and Human Rights." WGBH began a 16-week repeat telecasting of the series on Feb. 8. The lectures continue on Wednesday evenings from 7:30 to 8 p.m. The series was originally produced by WGBH for national distribution by the National Educational Television Network; it was completed less than a week before Professor Chafee's death.

The late Professor Chafee was subject of an article by Justice Felix Frankfurter in the *Harvard Law Review* for January. It will also appear in the 1960 Yearbook of the American Philosophical Society. Claude Branch provided the following excerpts:

"Zechariah Chafee, Jr., left a record of enduring distinction in the triune phases of a law professor's creative opportunities:

he was an inspiring teacher, a fruitful scholar, a skillful draftsman of an important measure of law reform. In these accomplishments his eminence was not unique. But the extent to which through his scholarship he influenced the thought and temper of public opinion and action in that pervasive aspect of national life known as civil rights has no match in the legal professoriate.... Generations upon generations of men left the Harvard Law School aroused in their capacity for thinking, excited by the adventures of the mind, widened in their horizons, because they had been students of Zechariah Chafee.... In him American legal scholarship and the world-wide fellowship of the free spirit of man lost one of the sweetest, most fruitful and valiant of its contributors."

Dr. Ernest S. Reynolds of the Marine

Praises in the Meeting House

THE REV. DR. ALBERT C. THOMAS '08 was given the title of Minister Emeritus and other recognition at the annual meeting of the First Baptist Church in America and the Charitable Baptist Society on Jan. 18. This, of course, is the Church in whose Meeting House generations of Brown men have received their baccalaureate degrees, and Dr. Thomas was its Minister for many years before his retirement.

President Keeney was among those who paid compliments to Dr. Thomas, bringing

the University's salutation. Other participants in the tribute were: the Rev. Dr. Earl H. Tomlin '18, Moderator of the Church; Alfred H. Gurney '07, Moderator of the Society; Mrs. Alfred S. Cleaves, the Rev. Dr. Homer L. Trickett, the Rev. Charles D. Lake '54, and the Rev. Dr. William J. Robbins, former Chaplain of the University, now of Rockland, Me.

A citation read by Moderator Gurney said: "ALBERT CLARK THOMAS—Born in a far-off Christian home, son of a Brown graduate and grandson of another, both dedicated to the Baptist ministry and to missions, you have always been eager to learn, willing to hear, to help, and to give, without asking for anything in return. Like St. Paul, you have 'allowed nothing to foil the energy of your spirit.' In cities large and small, even on the rockbound coast of Massachusetts, you have spread the gospel in such a way that it could not fail to be influential. You have served your country in war; your pastoral communities in both war and peace. You have sat in many councils, presided at conventions, brought song as well as a happy stimulus to gatherings religious and secular, and fulfilled, with understanding, trusteeships at your University and theological school.

"In the years of your ministry you have made it plain that 'the ideal of right will endure whether one wins or loses.' Indeed, in every realm of your service, you have fought a good fight, ever aware that the enemy faints not nor faileth. All of us in the First Baptist Church in America rejoice that you have come home again to the scene of your young manhood and your deep maturity, where so many things are identified with memories, and where you will continue to work and flourish with diligence and contentment."

ATTENTIVE as President Keeney addressed the Advisory Council on Feb. 4: left to right, at left—Cyrus Flanders '18, Lewis A. Waterman, Jr., '51, and Past President Wiley Marble '12.



Laboratory, University of Miami, had an article, "Mysterious Sea Fungi," in the November issue of *Sea Frontiers*, the bulletin of the Oceanographic Foundation. For several years Reynolds, an authority on sea fungi, and his associates at the Marine Laboratory have been immersing wood test-panels in waters in many parts of the world "to gain accurate knowledge of the principal kinds and general distribution of these destructive marine micro-organisms." Now they are developing an Antarctic study as part of the program of "Deep Freeze 60."

H. W. Paine and Mrs. Paine will soon be returning to their summer home in South Yarmouth, Mass., after spending the winter in Miami. Speck's golf game was still the best in the Class last time report was given of it.

George W. Davis was snowed in for five days at his hideaway on the River Severn during that big December storm. "Didn't even try to get back to Washington," George wrote.

New Status with Atlantic

WHEN the Atlantic Refining Company announced in January that Dwight T. Colley '18 was going to retire this spring, two other names were prominently mentioned. One of them was that of Milton G. Davis '31, who will become General Manager of Domestic Marketing. Colley has been Vice-President and General Manager of Marketing, as well as a Director for Atlantic. In his 37 years with the Company, he worked at many jobs in marketing—as service salesman, terminal superintendent, district and regional manager—before moving to the Philadelphia home office.

Davis, too, brings a broad marketing experience to his new assignment. His first Atlantic job in 1937 was as a service station operator; 12 years later he was Sales Group Manager for New England. He later managed both the Southern and Eastern Pennsylvania Regions, became Manager of Marketing Operations in Philadelphia, and (in 1958) Manager of Regional Marketing. He has been active in the American Petroleum Institute, representing Atlantic on the Board of Councillors and serving on the Jobber Advisory Committee. He lives in Gladwynne, Pa.

Colonel Colley is a Brown Trustee, whom many will also remember as Past President of the Associated Alumni. He received an honorary degree from Brown shortly after his return from World War II, in which he had commanded the same regiment in which he had served as Captain in the First World War. In each war, he won the Distinguished Service Cross for extraordinary heroism; he also holds French, Italian, and Russian decorations. His regiment, the 104th Infantry of the 26th Division was the first American regiment to be honored by a foreign nation and is the only American regiment to receive the French Croix de Guerre in both wars. Gen. George S. Patton wrote of

Thomas L. Heffernan, retired lawyer, is living at 705 North Lee St., Leesburg, Fla. In December on board the Norwegian freighter Traviata in Charleston, S. C., your Secretary met neighbors of the Heffernans who gave first hand report of Tom and his wife.

Arthur G. Bruce spent the winter in St. Cloud, Fla., and Walter C. Slade and Mrs. Slade were again at Sea Grape Hotel, Sarasota.

Carl S. Crummett's delightful three-page story of how he and his wife spent Christmas during the last ten years ended as follows: "And this year of 1960 we stayed right here at Crosswinds in (St. Petersburg) Florida the entire 12 months. Late in the Spring we bought an excellent air conditioner, and, while the temperature stayed around 93 afternoons, we were entirely comfortable. The Gulf of Mexico is less than a three-mile drive so we spent lots of time at the edge of its gentle surf at our Beach Club." The Crummetts registered as voters in Florida in 1956.

Colley in his book, "War As I Knew It," telling of an attack on a hill near Moncourt Woods in October, 1944. Although it was three-quarters successful, it left a portion of the hill in enemy hands. Another regiment was ordered to take over the assault.

"Colley got wind of this," Patton wrote, "went up to his leading battalion, and told them that the honor of the regiment did not permit them to turn over an incomplete job. He stated he would lead the assault himself, which he did with great gallantry. The position was taken."

Both General Eisenhower and General Patton visited Colley during his hospitalization for wounds. The former decorated Colley with his second DSC.



COLLEY, retiring



DAVIS, promoted

1908

Leslie E. Swain has been made a Life Fellow of the American Association for Health, Physical Education, and Recreation; he had received life membership some years ago. He is also a Fellow of the American Association for the Advancement of Science. The First Baptist Church in Hyannis, Mass., has again elected him a Deacon. Leslie and Mrs. Swain attended the World Council of Churches Central Committee in Scotland last summer, and in the fall spent some time at the American Baptist Assembly in Green Lake, Wis., while the seniors from the denomination's theological seminaries were meeting there.

Hill Griffith is back at work (real estate and insurance) in Littleton, N. H., after a month's freighter trip with A. H. Gurney '07 and Mrs. Gurney to the Panama Canal Zone and then to the Venezuelan ports of La Guaira, Puerto Cabello, Maracaibo, and Amuay Bay before landing in Norfolk, Va. On the way down they stopped at Newport News and Charleston. The Gurneys cite Griff as "our special travel agent."

The W. Henry Rivard Memorial Fund at the University of Rhode Island has received its first contribution, a \$1000 check representing gifts solicited by Kappa Sigma Kappa, pharmacy fraternity. Rivard is the late Dean of the Rhode Island College of Pharmacy, which is now a part of URI.

1909

Dr. William P. Buffum gave a January interview to George Popkin of the Providence *Evening Bulletin*, in which he lent hope and direction to those with approaching deafness. A good informal portrait of Bill accompanied the story. He is President of the Providence League for the Hard of Hearing in addition to his practice of medicine.

Bob and Gladys Whitmarsh spent a part of the winter in Arizona.

Henry S. Chafee became Chairman of the Board of the Providence Journal Company when the stockholders approved changes in its corporate structure to permit this. He had previously been President of the company.

We meant to report the annual Christmas report of Wilmot, Inc., which in 1960 showed Sydney and Alice and 11 others of the family, including grandchildren. It was a fine family group, and we enjoyed seeing the photo.

1910

Frank L. Mansur is in Laurel, Fla., for the winter, where he is very active in the local dramatic club. His granddaughter is at Pembroke, and during the halves of the Brown-Cornell football game last fall she accepted an award for her dormitory.

John C. Hennessy is still bothered by both an ulcer and arthritis. Rest periods of four hours are called for each day. However, Jack reports that he is still doing the marketing for the family.

Earle Colby, who missed the 50th, writes: "I sure would love to talk with Joe Bliss, Dick Fales, Jack Hennessy, Carl Raquet, and all the boys."

Maxwell Barus has a new address: 35 Norman Rd., Upper Montclair, N. J.

1911

Robert D. Chase returned to Pawtucket in January to attend a dinner in honor of the undefeated football squad at Tolman High School. He was the subject of much attention as a member of the 1905 high school team in Pawtucket, similarly undefeated in its day. Chase is President of Chase & Richardson, Inc., of New York City.

1912

Wiley Marble got several members of his family rather excited in December

Foreign Trader

HAROLD WHITMAN '19 is Acting President of the Bankers' Association for Foreign Trade, named recently to fill the unexpired term of the late Leslie H. Dreyer of Chicago. In this capacity, Whitman becomes a member of the nine-man Advisory Committee of the Export-Import Bank of Washington and of the Credit Policy Committee of the American Bankers Association.

The Bankers' Association for Foreign Trade, formed 38 years ago, has as regular members about 130 domestic banks which have full-fledged foreign departments, and as associate members about 50 foreign bank representatives and agents located in the U.S.

Whitman, who is a Vice-President of The First National City Bank of New York, has also been reelected Vice-Chairman of the U.S. Council of the Inter-American Council of Commerce and Production, a hemispheric group for private enterprise. He is serving his second term as President of the Pan American Society of the United States.



TRUSTEES of the Brown University Fund met during the week end of the Advisory Council, with these men present: left to right, seated—Earl H. Bradley '28, Wolter G. Borney '36, Elmer S. Horton '10, Elwood E. Leonard, Jr., '51 (Acting Chairman). Standing—Rolph R. Crosby '26, Ralph A. Armstrong '17, Patrick J. James '32, and John S. Chafee '18.

while on an auto trip to see his son in New Mexico. He sent a post card to a brother in Boston saying that he got a grease job in Stillwater, Tex., referring to work done on his car. However, between Wiley's writing and his brother's eyesight, the message got through that he had a "good job."

1913

Rabbi Louis I. Newman participated in the dedication of the United States Mission Building at the United Nations in January. Ambassador James J. Wadsworth, U.S. Representative to the U.N., presided. Recently, Rabbi Newman participated in the inauguration exercises of Dr. Reamer Kline as President of Bard College, Annandale-on-Hudson.

Herbert Osteyee was pictured in the *Rhode Island Baptist* recently as a visitor to the site of the new headquarters building of the American Baptist Convention in Valley Forge, Pa. As Director of Publications, he has a particular interest in seeing the project move along. He was wearing a protective helmet as he inspected the construction.

1914

Harold Sprague has retired and has moved from Melrose, Mass., to West Dennis on Cape Cod, where he plans to make his year-round home. His address: Garfield Lane, Wrinkle Point, West Dennis, Mass.

1915

As a former Governor of Rhode Island, Judge Robert E. Quinn attended the January inauguration of Governor John Notte.

1916

When Dr. Wilbour Eddy Saunders retired at the end of 1960 as President of Colgate Rochester Theological Seminary, the *Watchman-Examiner*, a widely circulated Baptist weekly, said editorially: "For

12 years he guided the school toward high objectives in the training of future ministers. Entering the presidency at a time when the seminary faced internal and external complexities, along with many other theological institutions, Dr. Saunders brought constructive leadership and vision to the institution."

1918

Ronald M. Kimball did not stay "retired" long after leaving the Continental Illinois National Bank and Trust Company of Chicago. He had been with the Continental organization since 1924 and Vice-President in charge of the Corporate Trust Division since 1948. He is now associated with John B. Kilroy Co. and Co-ordinated Construction, Inc., as Mid-western representative. The McMahon-Kilroy office is in the Field Building at 135 South LaSalle St., Chicago 3.

Provost Zenas R. Bliss has been elected Chairman of the Standardization Committee of the American Society of Mechanical Engineers. He is also serving on the ASME's board on codes and standards and national nominating committee.

1919

The Rev. Herman Lloyd Noyes was honored by Vineyard Haven, Mass., Baptists at a reception held at the parish house in December. The occasion was the 40th anniversary of his ordination. More than 50 congratulatory letters were received by him from churches, members of the Baptist Convention, and members of his former parishes. Among the gifts was a Brown Chair.

J. C. Scott had no sooner retired in December as New England District Sales Manager for American Enka than he set sail on a cruise. We enjoyed a postcard from Panama soon after he'd encountered Alfred H. Gurney '07, who arrived in Colon on another ship. Upon his return



DR. JOHN B. RAE '32, Professor of History at Harvey Mudd College, has won a national award for automotive historical research, it was announced at the 25th annual meeting of the Antique Automobile Club of America. He was given the Thomas McKean Memorial Cup for his book: "American Automobile Manufacturers."

Scott planned to open his new business as a yarn broker (Scott Yarns, 401 Industrial Trust Bldg., Providence).

William Moss gave a fine Christmas Eve concert on the Carl R. Edson Memorial Organ at the New Church in Elmwood, Mass. The Bridgewater accountant has had music as an avocation for many years.

1920

William Dewart contributed his ideas on "The Security I Like Best" to this department of the *Commercial and Financial Chronicle* for Dec. 15. (It was Harris-Intertype.) Dewart is with John Muir & Co. of New York City.

John W. Harriman, economist for Tri-Continental Corporation, was quoted again in the *New York Times*: "Last year's lack of success should cause the economic analyst neither to eschew forecasting, since it is an essential function of his cult, nor to swing over to an attitude of gloom concerning the remaining nine-tenths of the Sixties." He went on to say that a substantial adjustment of the economy had already taken place.

The John Hay Library featured in February an exhibition of "Scientific Books of the 17th and 18th Centuries" as a compliment to the Royal Society of London, which has been observing its Tercentenary. On display were books from the University Libraries and from the private collection of Albert E. Lowes, Providence bibliophile who has made a specialty of the history of science.

Clifton N. Lovenberg, retired Executive-President and General Manager of DuCas Corp., Providence, wrote a nostalgic article for the Rhode Islander section of the *Providence Sunday Journal* in

January. It was entitled "Some Lively Times at Old Keith's and the Albee." Clifton's father, Charles Lovenberg, managed both theaters, and his son joined him as assistant after graduation from Brown. Despite his vast knowledge of the theater, Clifton's only stage appearance was at the age of six when he played a boy in a stock production of "The Silver King."

Willard L. Beaulac, former ambassador to Argentina, addressed a dinner meeting of the Foreign Trade Club of the Greater Providence Chamber of Commerce in January. He is now Deputy Commandant for Foreign Affairs at the National War College in Washington, D. C.

Thomas F. Vance, Jr., Rhode Island attorney, has been elected President of the R. I. Chapter, National Association of Claimants Compensation Attorneys.

1921

Dr. Henry E. Gallup of Dedham, Mass., is the new Director of Professional Services at the Veterans Hospital in Rutland Heights. A graduate of the Harvard Medical School in 1926, he had been engaged in private practice in Dedham for a number of years. He is a diplomate of the American Board of Pediatrics and is a member of the teaching staffs at Harvard Medical School and Children's Hospital in Boston. Dr. Gallup had been in training for his new post for three months at the Veterans Hospital in Providence.

O. G. H. Oden, an investigator in the office of the R. I. State Attorney General, was a speaker at the January meeting of the R. I. Police Chiefs' Association. He urged closer rapport between State and local agencies.

1922

Frederick C. Reynolds has been an officer of the Massachusetts Division of Employment Security since 1937. Now he is doing placement work, which he most enjoys, having been attached to the Attleboro office since July. He and Mrs. Reynolds, who live in Plainville at 26 South St., have seven children, some of them married and themselves parents, the youngest 13. The Plainville home is one built by Fred's maternal grandfather, who came from Switzerland in the '60s, although other ancestors include John Howland of the Mayflower, the Rev. Pardon Tillinghast, and others who helped settle both sides of Narragansett Bay. After leaving Brown, Reynolds studied at U.R.I., M.T.T., Boston University, and Bryant & Stratton.

A. Russell Mack, in very active "retirement" from the position of Supervisor of Secondary Education in the Massachusetts Department of Education, is keeping busy as Regional Director for the Bay State and Rhode Island of the National School and Library Division of the Grolier Society. In addition, he is serving as a consultant for the Reinhart Functional Handwriting System. A leader in his church, Russ finds time to be Clerk of Unity Church of North Easton and President of the Southern New England Uni-

tarian Council. With 10 grandchildren now in the family, too, it does not appear that Russ has much time to idle around in his home at 238 Purchase St., South Easton, Mass.

S. W. Remington, a resident of Glen Ridge, N. J., is a neighbor of Gordon Smith. He also sees on occasion Moon Glover, Gordon's brother-in-law. "Beanie" continues his custom of an annual football trip to Providence and is also still active in the Eagle Rock Brown Club as Secretary, after many years as Vice-President of that group. In the time he allocates to more prosaic matters, he heads up the Accounts Department of W. J. Roberts, Inc., marine underwriters of New York City. His home is at 37 Herman St., Glen Ridge.

Austin Davies, after emerging successfully from two serious operations, is happily back at work as Executive Assistant with the American Psychiatric Association, 1270 Avenue of the Americas, New York City. We would place a reasonable wager that as his improvement continues, he will have a tennis racquet in his hand again before the coming summer ends.

As far as our limited records show, Joe Adam is proudly leading the grandfather parade with 12 grandchildren. Joe was a life underwriter from the time he graduated until retired by poor health for the past couple of years. He is sufficiently recovered to attend meetings of the Brown Club in Frammingham, Mass., where he lives at 44 Summit St.

Arthur H. Feiner has been appointed to the Board of Bar Examiners of Rhode Island. A graduate of the Harvard Law

14th at Table

LET MILTON H. GLOVER '22 tell you what happened on a snowy, blowy evening in January when the Connecticut Bankers Association held its annual mid-winter banquet in Hartford at the Statler-Hilton. He is President of the Hartford National Bank and Trust Company and prominent in the Association.

"It was a gala affair," he writes, "with some 700 bankers present, with guests from New York, Providence, Boston, and Philadelphia. The head table was distinguished by leaders in the banking field. Unfortunately, however, it was discovered that, due to a last-minute withdrawal, there would be 13 guests seated on the rostrum.

"The Executive Vice-President of the Association, a solid citizen from Dartmouth named Josiah Chandler, accepted the suggestion of one of my associates and made some hasty arrangement. When the guests marched in to 'Hail, the Conquering Heroes Come,' there were 14 places at the head table, set with 14 fruit cups and 14 glasses of wine. The 14th place placard indicated that this was the seat for Josiah Carberry.

"Alas, he, too, was detained at the last minute. Few among those assembled knew how close they had come to touching greatness."

School, he was admitted to the bar in 1925. He is Chairman of the State Public Utility Hearing Board, a former Assistant City Solicitor in Providence, and has been a member of the Supreme Court's committee which hears complaints involving attorneys.

W. C. FORSTALL

1923

T. G. Simmons wrote Don Thorndike recently to see if he could arrange for Prof. Josiah S. Carberry to speak before the Ivy League Club of Sarasota, Fla., in which Pete, Eben Morse, and Jack Fawcett '22 are active.

Chesley Worthington was elected President of the Narragansett Council, Boy Scouts of America, at its annual meeting in January. Chet was pictured in the *Evening Bulletin* "talking things over" with Governor John Notte and Aaron H. Roitman '30, who was elected Vice-President of the Council.

Dr. Clarence Bennett is Head of the Physics Department at the University of Maine, a member of the staff there since 1934. Dr. Bennett is the author of several text books and numerous articles.

1924

Carleton Goff, Chairman of the Board of Horton, Church & Goff, Inc., Providence, reports that there are at present six other Brown men in the organization. They include: Godfrey Goff '26, T. Brenton Bullock '38, Eben S. Church '40, Kingsley N. Meyer '43, James E. DuBois '50, and William T. Tobelman '50. Although the President, John A. Horton, is a Penn graduate, he is the son of a Brown man, Elmer S. Horton '10.

Descent in Dallas

WRITING in *Harper's Magazine* for January, James A. Michener told the story of Louis Bromfield and S. J. Perelman '25 being imported for a bookish occasion in Dallas: "The two authors flew down from New York on the same plane. It would be difficult to find two men more different in appearance, for Bromfield in those days was the epitome of the well-dressed, urbane, handsome novelist in an expensive double-breasted suit, while Perelman was, as he still is, the only grown man in America who looks exactly like a bewildered Brown Freshman asking the Dean where he can register for English I.

"When the plane landed, the welcoming committee surged forward, headed by a rather large woman carrying a huge bouquet of roses and some carefully memorized greetings. As Bromfield and Perelman descended, she hesitated for just a moment, fighting furiously to identify which was which. Satisfied with her choice, she gave one of the deepest curtsies ever seen in the Lone Star State and shouted at Perelman, 'Oh, Mr. Bromfield! The rains came, and so did you!'

"Looking back on that happy event, Perelman holds it to be the most felicitous greeting he has so far received."

1925

Carl N. Brown continues as one of the top executives of United States Pipe & Foundry Co., in Birmingham, Ala. Class Secretary John Pemberton reports a good letter from him recently.

William H. Wagenknecht was reelected Secretary of the Rhode Island Blue Cross in January.

1926

Ralph R. Crosby, President of the Old Colony Co-operative Bank of Providence, has been appointed to the Legislative Committee of the U.S. Savings and Loan League, of which he is a Past President. Crosby was also elected a Vice-President of the Rhode Island Blue Cross at its recent annual meeting. He was the speaker at the annual meeting of the R. I. Home Buildings in January. He blamed many American problems on the confusion created by administrative policies, political promises, and "loose use of words, figures, and facts" during the election campaign. "The constant tearing apart of our economic system and the warning of an approaching recession," he said, "created a severe psychological effect."

Dr. Walter S. Jones has been elected President of the Mt. Hermon Alumni Association for a five-year term. Dr. Jones is Chief-of-Staff at Lying-In Hospital, Providence. He had previously served on the Mt. Hermon Board of Alumni Councillors and is a member of its Infirmary Fund Committee.

H. Cushman Anthony, Assistant Executive of the Narragansett Council, Boy Scouts of America, was the speaker at a recent meeting of the Commissioners of the Old Colony Council in Massachusetts.

1927

Robert B. Downes, coach of track at the University of Miami, is awaiting with pleasure the Florida visit of the Brown track squad in April. Bob also enjoyed a January visit from Roy Randall '28, whom he met at the Municipal Air Port. At the time, he reports, the runways were infested with sea gulls, and the Port Authority sought ways of eliminating them. Sprays, poisons, and noise-makers were suggested. Of one plan (to have workmen throw rocks at the gulls), Randall remarked: "This would let the Port Authority say it had left no tern unstoned." "Red is as sharp as ever," Downes reports.

Eugene M. Fahey has been promoted to Director of Sales Engineering Services with the Public Service Electric and Gas Co., Newark, N. J. He started with the firm in 1929 as a lighting representative, and in 1940 he joined the general office staff in Newark as a designing engineer.

1928

Judge Thomas J. Paolino, Associate Justice of the Rhode Island Supreme Court, was honored recently as the outstanding alumnus of Classical High School for 1960. The award was presented at the 9th annual dinner of the school's Varsity Club.



RICHARD H. HOWLAND '31, architectural historian, is the new head of the Department of Civil History at the Smithsonian Institution in Washington. The former President of the National Trust for Historic Preservation, he has also been named a Life Fellow of the International Institute of Arts and Letters.

Classmates will be pleased to know that Bob Trenholm and Dick Campbell are recovering. Bob fell down a flight of stairs and received severe contusions, while Dick suffered a severe virus infection just prior to the holiday season.

Clint Owen is resting after conducting a highly successful Community Fund Campaign.

Vern Chase, writing from Decatur, Ga., sends along best wishes to classmates, "during this cold and snowy northern winter."

1929

A greeting which Dr. Josiah S. Carberry received on his recent Friday the 13th had no signature other than "from the Class of 1929." Casting about for someone to whom he might send his thanks, Carberry hit upon George M. Schlegel, saying: "I drew your name from a hat. What was it doing there? The hat was mine." (The Professor might have identified his correspondent more readily if he had looked at the postmark of "Douglas, Ga.")

Dr. F. A. Simeone, Professor of Surgery at Western Reserve University, was the principal speaker at the 114th annual meeting of the Providence Medical Association in January. His topic: "The Contributions of Surgical Research to Human Physiology."

1930

David O. Merrill has been named District Manager of Sales at the Camden, N. J., branch of United States Steel Products Division. After leaving Brown, Merrill acquired extensive experience in various sales capacities in the container industry. He joined U.S. Steel Products in 1957 as a special sales representative in the New York City headquarters office and served



W. ALLEN TRAVER, JR., '39 has been named Manager of the Franklin Process plant in Greenville, S. C. Franklin is a Division of Indian Head Mills, Inc. Traver had been since 1958 Assistant Manager of the Division's plant in Philadelphia and had executive duties in Chattanooga as well. He joined Franklin in 1939.

in that capacity until his recent promotion.

Aaron H. Roitman of Providence is the new Vice-President of the Narragansett Council, Boy Scouts of America. In part, the election was recognition of his outstanding success as Chairman of the Council's Golden Jubilee Fund drive. Aaron is President of Roitman and Son, furniture.

1931

Alden R. Walls has been appointed Manager of Government Production for Pearson Corp., fiberglass boat-building firm of Bristol, R. I. His extensive experience in the textile industry includes American Woolen, Bachman Uxbridge Worsted, and J. P. Stevens & Co. Prior to joining Pearson Boat, he was Assistant Merchandise Manager for the Woolen Division of J. P. Stevens in New York.

Paul Monahan has been named a Director of the South End Bank & Trust Co., Hartford. He has also been in the news recently as one of the originators of the new Tobacco Valley Radio Station of Windsor. Since the broadcasting tower in Poquonock is nearing completion, the station will be on the air shortly.

Hector D. Laudati, a member of the Providence City Council, has been elected Chairman of the Committee on Finance.

William G. Schofield, Chief Editorial Writer for the *Boston Traveler*, spoke before the New England meeting of the American College Public Relations Association in Boston in February.

1932

The Rt. Rev. Richard S. Emrich, Bishop of the Michigan Diocese of the Episcopal Church, in a recent address described Communism as "a great secular religion." Defining religion as "those individual beliefs for which man feels himself con-

strained to live and, if necessary, to die for, or a body of beliefs that gives life meaning," Rev. Emrich said that Communists have their own prophets, such as Marx or Lenin, and their own devil, capitalism. "They preach a showdown with this devil," he added.

Dr. Irving A. Beck retired in January as President of the Providence Medical Society. He gave one of the addresses at the annual meeting.

The late Hugh Butler received an unusual tribute when Raymond Reed devoted a recent column to him in the *Home Furnishings Daily*. (Joel Kern '49 speaks of Reed as "the unofficial spokesman of the industry.") "It was in Fall River many years ago," Reed began, "when I met this grinning, freckled-faced young cub salesman, almost wet-paint fresh out of Brown University. I liked the confident, slightly cocky cut of his jib. Most of all, I admired his loyalty to and confidence in his line, his intense pride of product and chosen profession. Here, thought I, is a lad who some day will be one of our industry's greatest salesmen or sales managers. He more than lived up to my hunch." Reed spoke of the respect and affection with which Butler was regarded by all, in business and out. He gave illustrations of Butler's methods and philosophy.

1933

William J. Gilbane completed his term as President of the Boy Scouts in Rhode Island (Narragansett Council) in January and heard his praises sung by Governor Notte and others at the annual meeting. His combination of experience and enthusiasm meant a lot to the 25,000 boys and men in the Council.

1934

John M. Sayward is Director of the Vermont Bureau of Industrial Research, an organization supported by a State grant to offer advisory service to local industry. Last fall, John arranged a seminar for top management of Vermont manufacturing firms at Norwich University. The seminar, reaching about 45 men, presented visiting authorities weekly for eight weeks, the first such series for manufacturers in Vermont of the program the Small Business Administration has sponsored at colleges around the country. John lives in Randolph, thriving Vermont community which has just attracted a plastics firm from Connecticut and also has in Thunder Mountain an attractive potential ski development. He is in his second year as Rotary Program Chairman.

Richard K. Hapgood has been contributing to the professional press on one of his specialties, foreign fire insurance. One article, which originally appeared in the *International Insurance Monitor* for September, has been reprinted in *The Bulletin* of the America Fore Loyalty Group for January. Hapgood's interest in the international field was fortified by studies at the Fletcher School of Law and Diplomacy which led to his M.A. He entered the insurance business in 1946 with the American Foreign Insurance Association,

which he served in various managerial and underwriting capacities for nine years. He was technical analyst in the insurance department of Ebasco Services before joining America Fore in 1958. He is Superintendent of the Foreign and Reinsurance Departments at the home office in New York.

Rowland A. Crowell has moved to Wayland, Mass., commuting from there to his new post with Boit, Dalton & Church (insurance) at 89 Broad St., Boston. With his departure from Connecticut, the Fairfield County Brown Club has lost an effective officer.

John R. Hall is an operations research analyst at Hancock Field, near Syracuse. He's on the headquarters staff of the 26th Air Division there. He lives in nearby Clay (12 Stevens Drive).

1935

Dr. Leonard G. Ghering, the new Chairman of the Board of Preston Laboratories in Butler, Pa., is serving as Chairman of Committee C-14 (glass and glass products) for the American Society of Testing Materials. He has just completed a term as Trustee of the American Ceramic Society. Dr. Ghering met his wife while studying for his doctorate at Brown: she is the former Jenny Lind, Pembroke '33. They have had three children, the oldest of whom is now married.

1936

Dr. Samuel Bojar has been elected President of the Massachusetts Society for Research in Psychiatry. He is attached to the Peter Bent Brigham Hospital in Boston.

J. Alden Dooley, Providence attorney, has been elected a Director of Narragansett Park to complete the unexpired term of his father, the late James E. Dooley,



WILLIAM E. RYAN '37 has been named Superintendent of Commercial and Government Sales for United Air Lines at the company's Chicago headquarters. He joined United in 1947 after five years of military flying and holds several decorations.

"My Dear Patient"

WILLIAM S. BRINES '34, Director of the Newton-Wellesley (Mass.) Hospital, has devised a unique method of keeping the usual run of gripes from patients down to a minimum. He writes letters to them.

His "Dear Patient" letters started in 1956 after the memorable March snow storm. He put together his first literary effort to explain to patients how the hospital mobilized to meet the emergency. At other times he has used the letters to introduce and explain new procedures. Through 1958, he kept the patients posted on the progress of the new accident wing, and he also managed to keep them good-humored about the noise of construction.

However, his efforts haven't completely silenced the grippers. An irate patient recently complained to him about the cost of an X-ray that "didn't show one thing wrong."

who also was President of the track for many years. Alden had been one of two Vice-Presidents since last June.

William E. Bright, Jr., is Manager of Employee Development and Training for the Pure Oil Co., Chicago. He holds membership in several educational organizations and has been doing some special teaching at Lake Forest College and Dartmouth.

Walter S. Gray, Jr., Vice-President and Treasurer of Dickson Electronics Corp., Scottsdale, Ariz., served as 1961 Chairman of the March of Dimes there.

Clarence H. Gifford, Jr., Providence banker, has been elected to the Board of Almac's, Inc.

1937

William G. Tyrrell has the title of Historian, working in the Division of Archives and History at Albany, N. Y. This is an agency of the University of the State of New York, the State Education Department.

David R. McGovern, Deputy Treasurer since 1947, was elected by the Providence City Council to the post of City Treasurer in January.

Thomas J. Watson, Jr., a Vice-President of the Boy Scouts of America, is Chairman of the Nominating Committee which will bring in a slate of officers before the June meeting of the National Council in Detroit.

Donald L. Daniels of Waban, Mass., was in charge of arrangements for the Brown Canticum Glee Club appearance in Newton High School on March 4 with the Simmons College Glee Club.

1938

Abraham Goldstein has been named First Assistant City Solicitor for the city of Cranston, R. I. In this regard, he is

following in the footsteps of his brother, Harry Goldstein '33, who has been on the City Solicitor's staff in Providence for the past decade. For some time, Harry has been active in Democratic politics in Cranston, having run as a candidate for the Council and the Charter Commission. In addition to his political and civic activities, he's been especially interested in veteran affairs. He was Commander of the R. I. State Department of J.W.V. during 1958-59 and he's currently serving the organization as National Executive Committeeman from R. I. and as a member of the National Policy Committee.

Commander Arthur F. Newell, Jr., gave a talk on the Naval War College before the men of the Providence Art Club in January. He has been on the Faculty at Newport for the past two years.

Vincent L. Benton has been named Manager of Service Station Equipment Sales with Gilbert & Barker Manufacturing Co., Springfield, Mass. Prior to joining Gilbarco about nine months ago, he was Manager of Distribution Sales and Service for the Clinton Engines Corp. of Clinton, Mich. He spent 13 years with the Fram Corporation in various sales positions.

1939

Barnard C. Luce has chosen Providence as the location of a new branch of North American Planning Corp., which he founded in 1956 and serves as President and Treasurer. The corporation is one of the nation's larger mutual fund distributing organizations. Other branches have all been in the New York metropolitan area.

Irving A. Hall, Jr., has moved from Hingham, Mass., to Orlando, Fla., where he is a Communications Engineer with Martin Aircraft. He started Dec. 1, with responsibility for the Pershing Missile Development Project his first assignment. Shine had been a Field Engineer with Tropical Radio Telegraph Co., a subsidiary of United Fruit Co., for the past 15 years.

David Landman has been at work on a book for Cooper Union: "America Faces the Nuclear Age." This was the title of a conference of which he was chairman last fall, and he has edited the proceedings for publication. At Cooper Union he is Assistant Director of the Division of Adult Education. Mentioning his graduate courses at Columbia in a recent letter, he said: "I occasionally run into Dr. Wriston, who has his office in the building where my classes are. This sort of thing gives me extra confidence in the institution whereat I study."

Philip Reisman, Jr., contributed "Big City 1980" to the CBS series on "Tomorrow," one of the best TV documentaries of the season.

1940

Elliott Roberts has been named Sales Engineer by the Atlas Tack Corp., New Bedford. He will devote his time to Atlas' new line of staples and automatic stapling equipment. He had been with Continental Screw Company for four years.

Richard E. Struble is with the Equitable



DR. STANLEY WAWZONEK '35 has been named to the Advisory Board of The Journal of Organic Chemistry, monthly publication of the American Chemical Society. Professor of Chemistry at the State University of Iowa, he won the 1960 Iowa Award, a gold medal given by the Iowa Section of ACS for achievement in teaching, research, and industry. He is also Associate Editor of ACS's Chemical Reviews.

Life Assurance Company in Fort Lauderdale, Fla. He reached the Million Dollar Club in 1953, his first full year with the company, and has been at that level, or close to it, ever since. Dick is active as well in community affairs in his home town. He's a member of the Chamber of Commerce and a director of a local savings bank. Dick and Mary have two daughters, Lynn, 9, and Carol, 6.

Herbert F. Lewis, Assistant Vice-President and Engineer with Manufacturers Mutual Fire Insurance Co., Providence, has been transferred to the San Francisco area. His business address is 2210 Russ Bldg., San Francisco, while his new home address is 244 East Strawberry Drive, Mill Valley.

1941

Walter Creese has been asked to join the summer faculty at Harvard, where he will teach undergraduate and graduate students at Fogg Museum. He is a Professor of Architectural History at the University of Illinois. Late in January, Walter went to Minneapolis to serve as chairman of the nominating committee of the American Society of Architectural Historians, of which he is Past President.

C. Harrison Meyer had an article published in the December *Radiator*, field magazine of the Massachusetts Mutual Life Insurance Co. with a circulation of 4,500, on his success in selling and programming life insurance for members of the television industry. Meyer lists such well known figures as Dave Garroway, Tony Randall, Chet Huntley and NBC Board Chairman Robert Sarnoff among his policyholders.

Life Bookman

IF THE GOAL for publication and sale of some four million new books is met in 1961, the newly formed Time Inc. Book Division will rank among the top six book-publishing firms in the U.S. Its Editor is Norman P. Ross '42, one of the two principals in the division which has a staff of 60.

The primary role of Time Inc. Book Division is to put the company's book-publishing operation on a regular programmed basis. In addition to organizing and developing an expansion through the creation and publication of new books, there will be a collateral responsibility in connection with Time Inc.'s existing book properties here and abroad. During the past 10 years, readers have spent a total of \$26,700,000 for more than two million Time Inc. books, at prices ranging up to \$27.50 a copy.

In the past the publishing activities have centered around the reprinting of material from *Time-Life* magazines in book form, with some 50 items thus produced. The new emphasis is to provide material exclusively for book publication. A number of such works are already in production or scheduled.

Ross joined the Luce organization in 1947 as a *Life* researcher and became a writer two years later. After service in the magazine's Chicago and Dallas bureaus, he returned to New York as a department editor in 1953, in fields ranging from religion and literature to education. Several years later he was appointed an Associate Editor and then joined the London office as *Life's* chief correspondent there in 1957. After two years he came back to the States to edit "The Second World War," with text by Winston Churchill.

Robert F. Parkinson is Scout Executive for the Manhattan Council, B.S.A. In a recent feature on his work, he told of New York City Scouting as an exciting challenge.

Reading in this magazine last month of the untimely death of Bob Person Oct. 18 in Baltimore jogs the memory a bit. Our thoughts go all the way back to 1938 when Bob was a member of perhaps the greatest Freshman basketball team Brown has ever had, a team that won 11 of 12 games and beat the Varsity. Bob led the club in scoring with 165 points and a 13.9 average, pretty good scoring for the mid thirties and for the deliberate, effective style of game employed by Coach Eck Allen. Bob's teammates on that team included Jack Padden, Frank Wilson, and George Fisher, and, together with Harry Platt '40, these men were the backbone of the Brown Varsity five the next two years. Brown won 17 and lost three in 1939 and played in the first NCAA Tournament game. Over three Varsity years, Person, Padden, Wilson, Fisher and company posted a 42-20 record; with the Freshman



NORMAN B. ORENT '42 is President of Hampden Specialty Products Corporation of Easthampton, Mass., which manufactures bridge, juvenile, summer and casual furniture and institutional seating. In his second year in that post, Orent was recently elected to the Young Presidents Organization, a national executive society.

season thrown in the mark was 53-21. Bob came from Rahway, N. J., and prepared at Rahway High and Peddie. His ambition at Brown was to become an engineer, a goal that he reached when he became a sales engineer with General Electric. Four years ago he was transferred from Pittsburgh to Baltimore as Manager of Manufacturing. However, he was never too busy to help his Alma Mater, as was shown by his work with the Brown Club of Northeastern New York, of which he had served as President, and the Brown University Fund. He and Marilyn had two daughters, Lynda Laura and Betsy Anne.

1942

Edward Armstrong is President of the Westminster Congregational Society (Unitarian) and Vice-President of the New England Preparatory School Athletic Council.

Friends of the late William R. Potter, Alpha Deltis prominent among them, are undertaking to raise \$3500 for a memorial to him at the Aldrich-Dexter Field. The committee includes Edgar J. Lanpher '19, Charles E. Gross '39, and Earl B. Nichols '43.

1943

Warren S. Wooster, Associate Research Oceanographer of the University of California's Scripps Institution of Oceanography, has become the first world statesman of oceanography. In January he was named head of an intergovernmental commission to advance world cooperative research in the marine sciences, sponsored by UNESCO. This marked the first time the rapidly growing science has been permanently organized for research on a world level. Past international cooperation has been only sporadic and largely in-

formal. Dr. Wooster states that he believes the new UNESCO commission will provide a focus for the marine sciences that has never existed before. It will be a place, he believes, where oceanographers of all nations can look for advice and support.

Robert W. Chester is District Supervisor for the New Mexico State Department of Public Welfare, working out of Albuquerque. He lives in Sandoval.

1944

Prof. Wallace E. Lambert is a member of the Psychology Department at McGill University, Montreal. He went to McGill in 1954 after two years of teaching at the University of North Carolina. He and his wife and two children live at Walkley Ave.

Carl Hartigan was chosen by the Board of Education of the Consolidated School in Burlington to fill a Republican vacancy on the Board.

Dr. Elihu S. Wing, Jr., is President of the Rhode Island Baptist State Convention. He contributes "The President's Message" to the monthly issues of the *Rhode Island Baptist*.

1945

Cdr. Robert G. Walker had a national television audience one night during the early developments aboard the Portuguese cruise ship, Santa Maria. On the staff of the Chief of Naval Operations, he was asked to give the story of the search for the hi-jacked vessel. The *New York Times* TV critic said: "The Washington pick-up, where a Naval officer explained the geographical problems connected with the search, was very good." J. C. Scott '19, who tipped us off on all this, added: "He must have been recognized by many Brown men on the NBC special."

William J. Barton has been appointed Secretary-General Counsel and Director



GEORGE H. MAIN '45 has been appointed Eastern Division Sales Manager of Arwaad Corporation. Formerly Assistant Sales Manager, he will be responsible for sales of Arwaad's investment castings in his area of the U.S.A.

BROWN ALUMNI MONTHLY

of International Business Development with E R C International, Inc., Washington, D. C. He had been Assistant to the President of ALCOA International, Pittsburgh. His new address: 1528-29th St., N.W., Washington 7.

Samuel T. Arnold, Jr., has been appointed Assistant Resident Manager of Paine, Webber, Jackson & Curtis, members of the New York Stock Exchange. Offices in Providence are in the Hospital Trust Building.

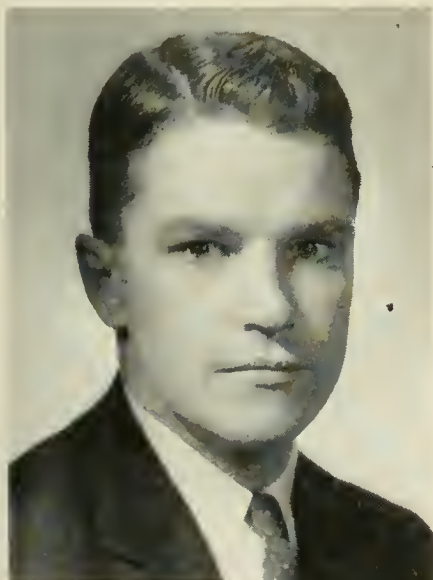
Daniel I. Sargent, Vice-President of Manufacturers Trust Company of New York City, came to the Brown Campus in February to talk with Seniors about careers in banking.

1946

Dr. Charles Sleicher, Jr., Associate Professor of Chemical Engineering at the University of Washington, has been given grants totaling \$45,300 to support his scientific investigations. He was awarded \$28,300 by the National Science Foundation and \$17,000 by the Petroleum Research Fund. He is doing research on the mechanics of flow of liquid mixtures and the nature of turbulent flow.

Joe McMullen has been promoted to Assistant to the Financial Vice-President at the University of Akron. He had been football coach there for eight years. "We are embarking on an \$8,000,000 building program of great expansion and this break came along a bit earlier than I had anticipated. My first love will continue to be my family and then football, and I leave the coaching field with some regrets." Joe reports that the low spot of the year for them was the passing of their beloved dog, Prexy, the gift of his 1952 Washington & Jefferson football team.

Alan Skurnik of Newton, Mass., recently presented a gift of \$10,000 to the Hebrew Home for the Aged Building



NORMAN E. WRIGHT, JR., '49 has been promoted to 2nd Vice-President in the Bank Department of The Northern Trust Company of Chicago. He is attached to the bank's New York office at 15 Broad St. (Fabian Bachrach photo)

Campaign. He is a life member of Brandeis University, Past Chairman of the Women's Dress Division for Retarded Children, and member of Temple Emanuel in Newton. He is associated with his father in the dress industry as an executive in Boston Maid, Inc.

1947

Dr. Ralston B. Read, Jr., has been appointed to the staff of the Milk and Food sanitation research program at the U.S. Public Health Service's Robert A. Taft Sanitary Engineering Center in Cincinnati. The Taft Center is the main laboratory for the Public Health Service's research on milk and food sanitation, air pollution, water pollution, and radiological health. Dr. Read was formerly an Associate Professor of Bacteriology at the University of Massachusetts.

The Rev. David T. Cross is Minister of Christian Education at St. John's Presbyterian Church, Berkeley, Calif.

1948

Lloyd K. Davis has been named Personnel Manager at Igleheart Bros., Evansville, Ind. He came to the General Foods Jell-O division from the Walter Baker (Chocolate) operation, Dorchester, Mass. Previously, he had been in personnel with General Foods plants in Toronto, Canada, and Gloucester, Mass.

Alfred M. Silverstein has returned to the general practice of law in Providence. He had been executive counsel to Governor Del Sesto of Rhode Island. He is back at 822 Industrial Bank Building, where he was previously associated with Needham, Silverstein, Gnys & LaFazia.

Dr. Colin MacKay, at Colby College since 1956, has been promoted to the grade of Associate Professor of English. He heads up the work in Freshman English. He got his Ph.D. at Brown in 1957, following a Brown A.M. in 1949. He taught at Deerfield Academy for three years before going to Waterville.

Carl Oxholm, Jr., had the back cover of the *Pennsylvania Gazette* all to himself recently. The magazine is the alumni publication of the University of Pennsylvania, and its advertisement was all about Oxholm. (Though postal regulations don't let us carry ads in a magazine of free circulation, we can report the fact, at least.)

"Carl," said the ad, "graduated from Brown University with letters in swimming, golf, and tennis . . . is heading for further successes in the world of business. Carl began his insurance career in Trenton in 1954. After establishing an enviable sales record, he was invited to join Penn Mutual's intensive General Agents Training Program in 1957. A year later, he was appointed General Agent in Philadelphia. At the end of 10 months that year, his agency ranked 47th in new business in the Penn Mutual; at the end of the same period in 1960 his agency ranked 16th—a dramatic increase in Agency standing! Outstanding careers such as Carl Oxholm's give positive meaning to the phrase 'Opportunities Unlimited' and illustrate the value of Penn Mutual's comprehensive training programs."



ALFRED H. MACGILLIVRAY '39 has been appointed Works Manager of the Rackbestos Wire & Cable Co., Division of Cerro Corporation. Previously Production Manager at the main plant of Rackbestos in New Haven, he is now in charge of plant engineering, production, personnel, and purchasing.

1949

Bill Falk, successful Hope High track coach, was featured in a January column by John Hanlon of the *Providence Evening Bulletin*. The story traced his career from his early teaching-coaching days at Attleboro High to his current activities at Hope, where his outdoor teams have not lost a dual meet in Rhode Island at the high school level in four years. His teams have won 33 such meets in succession, as well as winning at least once every major meet, except one, in New England. The one that has escaped is the New England Cross Country Championship. Hanlon described the Hope track teams as "the Yankees of their league." In January, Falk took a nine-man squad to the Boston Athletic Association Meet. There, competing against some 1,000 athletes from 65 schools, Hope won the team title, the first time an out-of-state team has won it in nine years.

Philip F. Denner, Jr., has been promoted to Sales Manager, Converter Products, by Nashua Corporation, Nashua, N. H. He has been Manager, Set-Up Box Industry Sales, since July of 1959. Previously he had been Sales Administrator for Velour Products.

John V. Fratus, Jr., was appointed last fall to the new post of Director of Employee Relations with the Hartford Gas Co.

Dr. Winfield Keck, who received his doctorate at Brown in 1949, has been promoted to the grade of "full" Professor of Physics at Lafayette College, where he is Chairman of his Department. He was an Instructor and University Fellow during four years in the Brown Graduate School and returned two years ago as Visiting Associate Professor for research while on sabbatical from Lafayette.



THERE'S A BROWN FOURSOME at the Monsanto Chemical Company's plant in Everett, Mass. Left to right—Richard J. Arroll '56, an Organic Division salesman on temporary assignment in Everett; Clifford J. Ehrlich '60, Safety and Personnel Department; Robert H. Prater '49, Superintendent of the Plastic Division operation; J. William Flynn '59, Personnel Supervisor. All went to Monsanto soon after graduation. (Photo by Durlands)

Jeffrey J. Bowe, who received a Brown A.M. in 1949, is in the Sperry Semiconductor Division of Sperry Rand in Norwalk, Conn. He is a microelectronics expert, head of the Department of Research and Development in that field.

Fred W. Thomae is Research Scientist in Life Sciences at the Vought Research Center, a division of Chance Vought Aircraft, Inc. He holds an M.A. in General Physiology from the University of Texas. Fred has had teaching appointments at the University of Texas and has been Physiology Research Scientist at the Radiobiological Laboratory and in the laboratory of Algal Physiology. His interests are in plant physiology and gerontology.

1950

Anthony P. Travisono has become Superintendent of the Iowa Training School for Boys in Eldora, Ia. He had resigned as Superintendent of the R. I. Training School for Boys at Sockanosset, where he had been successful since 1959. At a farewell dinner before his departure, he was warmly praised for his "sincerity, devotion, and record of accomplishment." Among the speakers were Edward Kiely, 1950 Class President; Ralph Anderton, Brown wrestling coach; and Col. Maurice A. Wolf '14, Past President of Big Brothers of R. I., for which Travisono was formerly a case worker. Frank Sternberg also represented the Class.

Arnold Ginsberg of New York, former Treasurer of Windsor Industries, Inc., has been named President of the firm. He has had extensive experience in the investments of the company.

Joseph M. Souza has been appointed Chairman of the newly named Board of Trustees for the Southeastern Technological Institute, New Bedford. The appointment was made by Governor Furcolo just before he left office. Joe was one of the pioneers in the area to undertake and see through the long struggle to initiate legislation for a new college in Southeastern Massachusetts.

Dr. W. G. Lloyd, a research chemist with the Dow Chemical Company, has been promoted to the rank of associate scientist in recognition of his achievements

as a staff member of the Polymer Research Laboratory and as a former member of Technical Service and Development. Ten years with the company, he has been with the Polymer Lab for three years working in the areas of structure and properties of network polymers, water soluble cationic polymers, and oxidation kinetics and mechanisms. He received his Master's from Brown in 1950. In 1957 he received his doctorate from Michigan State, the first employee to receive a degree under the Dow program of providing leaves of absence for doctoral study.

Adolph N. Anderson, Jr., a lawyer, State insurance official, and a member of the Cranston School Committee, has been awarded the annual distinguished service plaque from the Cranston Junior Chamber of Commerce. He was Chairman of Cranston's United Fund Drive in 1958. He was cited for his "contribution to general community welfare, evidence of leadership ability, and evidence of personal business progress."

Dean F. Clement has moved to Yuba City, Calif., where his address is 521 Jones Rd. He was Personnel Administrator with RCA.

The Rev. Ronald E. Stenning, a Deacon at the Church of the Resurrection in Warwick, R. I., was advanced to the sacred order of the Priesthood at the Episcopal Cathedral in Providence just before Christmas.

Lester R. Allen, Jr., has been named Director of Information Services for MITRE Corporation, Bedford, Mass. Prior to joining MITRE, Les was with General Electric for more than seven years, serving in a variety of public information assignments in Lynn and Schenectady.

David P. Haskell has been appointed a marketing research officer in the Marketing Division of the Chase Manhattan Bank in New York. He joined the bank in 1950 and, after serving in several divisions, he was assigned to the Planning and Development Department in 1957.

William A. Pollard, Executive Secretary of the National Association of Insurance Agents, resigned the post effective Feb. 1. He joined NAIA in 1959, coming from the Zurich American in Chicago, where

he was production supervisor and divisional sales manager.

Albert E. Poirier has been elected Chairman of the Adult Advisory Committee of the Rhode Island Youth Council. He is Providence District Executive in the Narragansett Boy Scout Council, for which he is also the Explorer advisor.

Nathan S. Ellis has been named Water Department Superintendent in New Bedford, a post carrying Civil Service status. He formerly served as Public Works Commissioner in that city, resigning last March. He is a registered professional engineer with 10 years' experience.

BOB CUMMINGS

1951

Lt. Richard W. Gallipeau, USN, completed the prospective executive officer course at the Submarine School, New London, Dec. 9. He is serving as Operations Officer aboard the submarine USS Sablefish, operating out of New London.

Donald Swindells has been appointed as Davis-Standard Sales Engineer for Midwest and Southwest. He will service wire and cable insulating accounts on sales of Thermatic extruders and accessory equipment throughout the territory and, in addition, handle general plastics extrusion business in the south central and southwest areas. Don holds a Master's degree in Business Administration from Northwestern and has worked as a project engineer for Simplex Wire & Cable Co. and for Owens-Corning Fiberglass, Textile Product Development Laboratory.

Ted Maroni, an electrical engineer, was among the workers rescued by firefighters in December from the deck of the burning Navy aircraft carrier Constellation in the Brooklyn Navy Yard. He reported that he and his men were thinking about jumping into the icy East River when fire-



ROGER G. PETERSON '47 has been elected Treasurer of North America Assurance Society of Virginia and appointed to its new position of Comptroller. With experience in three other insurance companies, he joined North America in 1959 as Systems and Budget Manager.

fighters finally got ladders to them. Ted is employed by Western Electric.

Charles J. Cooper has given up his law practice in Philadelphia and undertaken graduate studies at Bryn Mawr with the intention of going into teaching.

James Allen Asay, who graduated with two A's in Physics, is teaching it at the Hun School. Already the holder of three degrees (Sc.B., B.D., and Th.M.), he is working toward a fourth. His address: 1 Girard Ave., Yardville, N. J.

1952

Ben McKendall, Director of Admission at Occidental College, was on an airplane between Portland and San Francisco on Friday, Jan. 13. However, he didn't forget Carberry Day, and a Canadian dollar bill found its way to College Hill as his contribution to the Jug. Ben reports that he and his wife are "waving the banner on the west coast whenever we can."

John D. Murphy announced himself as a candidate for School Committee in the forthcoming town election in Walpole, Mass. He has served on the board since last June when he was appointed to fill an unexpired term. A lifelong resident of Walpole, he has been in the building business for the past six years, building mostly custom homes. He is also co-owner of John D. Murphy & Co., which specializes in insurance and real estate.

Norman M. Steere has been appointed Assistant Cashier in the Metropolitan Department of the Mellon National Bank & Trust Co., Pittsburgh. Norm joined the bank in 1957 as a trainee and has been in the Credit and Metropolitan Departments. He is a graduate of the Harvard Business School.

Ernest Prupis has become a member of the law firm of Weltchek & Weltchek, 570 North Broad St., Elizabeth, N. J.

Malcolm G. Winne has become associated with the Liverpool Sport Center, 125 First St., Liverpool, N. Y. He had been a sales representative for Cluett, Peabody & Co., Inc., of Philadelphia.

Clinton J. Pearson, President of Pearson Corp. of Bristol, has announced that the Rhode Island fiberglass boat building company has entered into an agreement for the purchase of Aeromarine Plastics Corp., Sausalito, Calif., boat-building firm. It will operate as a wholly-owned subsidiary known as Pearson Corp. of California. In commenting on the expansion, Clint stated that it was another important step forward in the Bristol firm's plans for expansion. "In addition to providing national distribution for our complete line of fiberglass boats, it will put us in the desirable position of having manufacturing and service facilities on the West Coast," he said.

1953

Joseph L. Tauro of Marblehead was sworn in in January as Assistant Legal Counsel to Massachusetts Governor John A. Volpe. A partner in the Lynn law firm of Tauro and Tauro, he had been Assistant United States Attorney. (You'll recall our photo of him taking office in the latter capacity a year ago.)

Bruce K. Carpenter of Rehoboth, Mass., who had been a lawyer only two weeks, succeeded in getting a hearing before the full bench of the Massachusetts Supreme Court on the question of whether suicide is a crime in the Bay State. Bruce represents Illario Persampieri, 31, of Quincy, who is free on parole after serving two years of a 7-10 year term on a charge of abetting his wife's suicide. During an argument, his wife told him she was going to kill herself. He handed her a rifle and she shot herself through the head. Bruce claims that Persampieri should not have been sentenced because suicide is not a crime. Bruce passed the Washington, D. C., bar examination while still a student at Suffolk University Law School, where he was awarded his degree last June.

Paul A. Goldman has been appointed Sales Promotion Manager for the Markel Service, Inc., of Richmond, Va. The firm is a nationwide specialist in truck and bus insurance, which he joined after graduation. He has been a senior underwriter in the home office and has helped train field production personnel. He is a member of the Board of Directors of the Richmond Jewish Community Center and its Athletic Committee Chairman; he has also been active with the Junior Chamber of Commerce.

Deane Hayden has been promoted to Market & Sales Research Analyst with Riegel Paper Corporation. He joined the

At R. I. Hospital

FIVE ALUMNI have accepted appointment to residencies at Rhode Island Hospital beginning July 1, according to Dr. Henry McCusker '19, Director of Medical Education:

Dr. Vincent A. DeConti '51 will be Junior Assistant Resident in Medicine. He received his M.D. from the University of Bologna in 1960 and is serving an internship at St. Joseph's Hospital, Providence.

Dr. Francis M. Dwyer, who received a Master's in 1955, has a similar one-year appointment. He received his M.D. from New York Medical College in 1960 and is an intern at Union Hospital, Fall River.

Dr. Peter J. Hamre '55 is serving an internship in surgery at Worcester City Hospital and (as noted in our January issue) will be Resident in Urology at Rhode Island Hospital. He has a 1959 M.D. from Vermont and is at Beverly Hospital, Beverly, Mass.

Dr. Kenneth G. Knowles '53 will return to Rhode Island Hospital when his Navy service terminates in June, to resume training as a Resident in Orthopedics. He had previously served a year's internship at R. I. and a year as Junior Assistant Resident in Surgery. He received his M.D. from Tufts in 1957.

Dr. George A. Lauro '50 has a four-year appointment as Resident in Pathology and will come from general practice in North Attleboro. He received his M.D. from Hahnemann in 1958 and served a year's internship at Hahnemann Hospital thereafter.



ERIC BROWN '58 has joined the University staff as an Admission Officer. He had been in the Admission Office on a part-time basis last fall while working for his M.A.T. Before coming back to Brown, he had taught at Roxbury Latin School and Anawon Junior High in Rehoboth, Mass. He is the son of Daniel L. Brown '12.

firm in the fall of 1959 and had been serving as Administrative Assistant to the head of the Blendid Fabrics Department.

William H. McAlister, Jr., has been named Vice-President of the Union Federal Savings and Loan Co., Springfield, Mass. He will be stationed in the Pittsfield office. Bill received his degree in business administration from Boston University.

Lt. Steven van Westendorp, formerly of the Comphiblant staff at Norfolk Naval Station in Virginia, is now on the Pacific Coast (Staff, Comthirteen, Seattle 15, Wash.).

1954

Robert S. Steven is at the American Embassy in Tokyo.

The Rev. Donn R. Brown was ordained in the Episcopal priesthood in Providence in December. He continues on the staff of the Church of the Good Shepherd in Pawtucket.

Lt. Russell A. Cook, USN, has been assigned as Special Projects Control Officer of the Special Projects Office at the U.S. Naval Training Device Center, Port Washington, N. Y. Prior to his present assignment he served as Engineering Officer aboard the submarine, USS Spikefish.

1955

Cameron P. Quinn of West Warwick has been appointed Legal Assistant to the Rhode Island Legislative Council. Ronnie will draft bills, review legislation, and perform related duties.

Dr. William W. Simmons is taking a six-month training program at Pensacola in Naval Aviation Medicine. His wife and four children, ages 5 to 1, are with him. Bill took his medical studies at the University of Colorado.

George Ludlow of St. George's School



TOP OFFICERS of the Alumni Association of Moses Brown School are Randall W. Bliss '50, President (right), and W. Ronald Gill '31, Vice-President (left). Another Brunonian pictured with them in the Moses Brown School Bulletin was James P. Elder '46, Secretary of his MB Class.

in Newport reports that he traveled to Florida for the Christmas vacation and had a much-needed rest from soccer, French, diving, French, yearbook—and more French! Last summer, Chip was at Middlebury, doing some M.A. work.

Paul Letiecq has moved with his wife, Peg, and their children (Russell, Laurie, and Andrew) to Trenton, N. J. He has completed his first semester at Princeton Theological Seminary. On week ends you can find Paul at the Second Presbyterian

Church in Rahway, where he is Senior High Youth Director. Since they arrived in Trenton, Paul and Peg have been renewing old ties with Gordon Willett, Lucien Bergeron, and Connie (Deering) and Jack Smythe.

Capt. Francis M. Logan, Jr., USMC, received in December a "certificate of award" for aerial competition, presented annually to the aviator who attains the highest over-all score in night dive bombing. Logan has been stationed in Japan as a fighter pilot since last August.

Yours truly is in his second year as Pastor of the Midvale Methodist Church in Wanaque, N. J. I am enjoying the many challenges the ministry provides, especially in working with the youth of our community. Jeanne and I also enjoy being near the city area so that we are able to participate in some of the cultural activities small towns cannot provide.

CLIFF KOLB

1956

John A. Worsley has returned to the Brown Graduate School to study political science under a Ford Foundation Fellowship, after taking the fall semester off to devote full time to his duties with the former Governor of Rhode Island, Christopher Del Sesto, during his campaign. John served for nearly two years as one of the Governor's speech writers, press secretary, and public relations officer. He worked on the Governor's 1960 Annual Message, reported by the *Providence Journal* to have been "the best in the state's history." Previously, John worked for three years as a reporter for the *Providence Journal*.

tucket Times, and, while there, he won an AP award for one of his interviews. He also won a Citation for a series he did on the R. I. Training School for Boys. In addition to his graduate study, he is working as a free-lance writer; is writing a documentary TV series, "Closeup," seen on WPRO-TV; and operating his own public relations firm.

Edward P. Kelley, Administrative Assistant of the Apollo Savings and Loan Association, Chicago, has been appointed to the Legislative Committee of the United States Savings and Loan League. The League is a nationwide trade organization for the savings and loan business, representing more than 4700 savings associations.

Sumner Campbell has been named a patrolman on the Newton Police Department. He is attending Suffolk University, and he had been employed by a Needham, Mass., electronics firm.

Lewis D. Eigan has a new position: Vice-President of the Center for Programmed Instruction, 365 West End Ave., New York City.

1957

Bob Reynolds is with the York Corporation of Cleveland as an application engineer. He and his wife and son are living at 12955 Harlan Ave.

Dave Abramson, after coming through Columbia University Business School with flying colors, is with the American Broadcasting Company in its Executive Management Training Program.

Ed Artinian, associated with Dodd, Mead & Co., is traveling extensively through the East and Midwest, visiting colleges and universities. Objective: textbook sales.



CHIEF TELLER at the 1961 Advisory Council meeting was Earl W. Harrington, Jr., '41, here announcing results of the voting on alumni candidates. Names chosen will appear on ballots due for April mailing to all Brunonians.

Instead of 'Douceurs'

QUOTING from Peterborough's "London Day by Day" in *The Telegraph* of London for Dec. 23: An Idea for Executives. The director of a London firm of business consultants who at Christmas usually gets a gift of whisky from an American company tells me with delight that the bottles will arrive no more. He has no objection to the whisky. What pleases him is that the Americans are instead giving the cost of their present to Brown University. Rhode Island, to help finance worthy students.

"My correspondent has had an explanatory card from Brown which he intends to show to charities in which his wife is interested. He suggests that the spirit of Christmas would be better served if cash for people and institutions desperately needing it were substituted for commercial *douceurs* to affluent executives. I think he is right."

Prof. Harcourt Brown, on sabbatical in England, sent the clipping to President Keeney.

Steve Cutler is putting the finishing touches on two years of study at Babson Institute, where he majored in accounting. Steve and his wife are living in Quincy, Mass., where the latter is teaching school.

Bud Feuchtwanger is back in New York, associated with Carl M. Loeb, Rhoades & Co., brokerage firm. Offices are located at 42 Wall St.

Arthur Taylor, an Admission Officer at Brown since his graduation, left in January to accept a position with the First Boston Corporation of New York City, an investment firm.

John Clarke, who earned a doctorate in American literature at Brown, is teaching at the University of Scranton and at Marywood College in addition to his editorial duties with the *Scranton Times*.

The Rev. D. Sanderson Walch, previously a Deacon in the Episcopal Church, was advanced to the sacred order of Priests at the Cathedral of St. John in Providence on Dec. 17. He continues as Assistant at St. Martin's Church, Providence.

The Rev. William M. Romer was similarly ordained in Lake Luzerne, N. Y. A native of Albany, he received his S.T.B. at Episcopal Theological School, Cambridge, Mass.

Lawrence C. Waterman has completed the six-month management training program with Pan American World Airways and is a cargo sales representative in the Los Angeles office. His home address: 1171 N. Kenmore Ave., Hollywood 29.

IKE SARGON

1958

J. Hampton Hickman is heading up a Conference on International Law of Commerce at the Yale Law School, March 3-5. Symposium members include international lawyers in the U.S., members of Congress involved in foreign trade, members of the European Common Market administration, and topped by Douglas Dillon and Adlai Stevenson as keynote speakers. "Things are going well. I have just finished a manuscript for fall publication on the 'Legal and Procedural Requirements of the Foreign Securities Business.' Also, my wife, Barbara, is now painting and selling commercially—to the advantage of our continuance in school."

Donald A. Rettaliata has been appointed public relations assistant for the Suffolk County Republican Committee, New York. His duties will be press and radio relations, publicity, and administrative details. He had been a copywriter with Fuller and Smith and Ross Advertising Agency, New York City.

John Willenbecher has been awarded a scholarship to the New York University of Fine Arts.

The Rev. and Mrs. James S. Pemberton leave April 20, conducting a 34-day tour of Europe and the Holy Land for laymen and clergy, visiting 12 countries in all and offering opportunities to meet with religious leaders, political figures, and professional and business men. Both have traveled extensively in Europe and the Middle East. Mr. Pemberton, who received his



THEY'VE COACHED AT BROWN: left to right—Skip Stahley, Tuss McLaughry, Rip Engle, and John McLaughry. (Al Kelley missed his assignment.)

THERE ARE FIVE of us here who have coached football at Brown," someone suggested. "Let's get together for a photo." They were attending the meetings of the American Football Coaches Association in Pittsburgh in January; the date was made.

Rip Engle had completed a year as President of the AFCA. Now at Penn State, he was Brown's head coach from 1944 to 1949. Tuss McLaughry was also

a busy man at the convention, for he is the Association's Executive Secretary. He had the long span at Brown from 1926 to 1940, when he moved on to Dartmouth. Skip Stahley, who succeeded Tuss, had three seasons in Providence, from 1941 to 1943; he is now head coach at Idaho. Al Kelley of Colgate was in charge at Brown from 1951 to 1958. John McLaughry '40 returned to College Hill in 1959.

A.M. from Brown in 1958, is Pastor of the Friendship Methodist Church, Providence, and has lectured in Extension at Brown. He is a member of the American Christian Palestine Committee, World Affairs Council of R. I., and Board of Missions and Commission of Christian Social Concerns of the Methodist Church. He has conducted three similar study tours abroad in the past few years. His address: 40 Euclid Ave., Riverside, R. I.

1959

Arthur W. Murphy, Jr., is undergoing pre-flight training at the Naval Air Station, Pensacola. He was attending the Amos Tuck School of Business and Finance at Dartmouth when he entered the Navy in September.

John H. Barcroft received his M.A. from the University of Minnesota Dec. 15.

1960

Henry A. Ittleson spoke in January at a meeting of the World Affairs Council's United Nations Club in the Providence Gas Company Auditorium. His subject was "Impressions of American Prestige During My Trip Around the World."

Peter Kallas is in his first year at the School for Advanced International Studies in Washington, D. C., a branch of Johns Hopkins, which trains young men and women for careers in international service. Pete is studying under a tuition fellowship toward a Master's degree in the area of African affairs.

Ens. Douglas Tolderlund, USN, is aboard the USS Caliente, based at Long Beach, Calif.

Lt. Michael Frame, USAF, completing

his assignment to Amarillo, Tex., in February, was to move on to the 703rd Strategic Missile Wing at Lowry Air Force Base in Colorado. As a supply officer there, he was going to come in contact with a new automatic data-processing system for missile logistics.

Huc H. Hauser is with the Electric Boat Division of General Dynamics Corp., Groton, Conn. His new address: 13 Pequot Ave., RFD #2.

The New Math Dictionary

PROF. WALTER F. FREIBERGER is Editor-in-Chief of *The International Dictionary of Applied Mathematics*, published recently by D. Van Nostrand. Among the contributors to the Dictionary are several other members of the Brown Divisions of Applied Mathematics and Engineering: Daniel C. Drucker, Ralph D. Kodis, Harry Kolsky, Erastus H. Lee, Ronald S. Rivlin, and Lewis B. Wetzel.

Also represented in the volume are two members of the staff of the headquarters of the American Mathematical Society in Providence: Gordon L. Walker, Executive Director, and Sydney S. Gould, Executive Editor of *Mathematical Reviews*.

Traveling Lecturer

FRANK M. STEWART, Associate Professor of Mathematics, is giving lectures at 20 Northeastern colleges this spring under auspices of the Mathematical Association of America. He spends two or three days on each campus, giving lectures and holding informal discussions with students and members of the faculty.



PROGRAM CHAIRMAN Robert W. Kenyon '36 checks some final details with Alumni Secretary William B. McCormick '23.

BUSINESS MEETING

A few more photographs from the Advisory Council.



PRESIDING: C. Monton Eddy '22, President of the Associated Alumni.

VOTING: In the foreground are, left to right—Bill Margeson '37, Cloy Timbrell '42, Doug Widnall '37, Martin Torpy '37, and Hart Swoffield '37.



Carrying the Mail

Among the 25 Oldest?

SIR: Missing from the list of the "25 oldest colleges" in your January issue was Georgetown College, which was founded in 1789, which would put it in 15th place. The matter is somewhat confused by the fact that the date of foundation precedes the entrance of the first student by two years, William Gaston of North Carolina having come here in September of 1791. Apparently the 1789 date indicates the time at which the property was acquired and the original building started.

The fact that we were more than an Academy is indicated by the circumstance that Gaston, being unable like many others to stand the sinus-producing climate of Washington, transferred in an advanced position to Princeton. Our charter allowing us to confer degrees was granted by the United States Congress on Gaston's motion in 1815. But I believe that, by any liberal reading of the facts, Georgetown was more than an Academy in 1791.

JAMES S. RUBY
Alumni Association
Georgetown University

SIR: My second Alma Mater was not listed, as it should have been, among the 25 oldest colleges in the United States. I have reference to Georgetown University, which was founded in 1789.

Its first student, William Gaston, was admitted in 1791. Subsequently Mr. Gaston was elected to Congress and, as a member of the 13th Congress, helped enact the law by which the College was granted its charter.

Georgetown has the distinction of being the first Catholic college founded in the United States. Through the years many Brown alumni have gone to one or another of its professional schools for advanced training.

Georgetown Law '58
MAURICE ADELMAN, JR., '52
Cincinnati

(Herbert B. Anstaett, Librarian of Franklin and Marshall College, found so many "liberal" interpretations of "founding" that he used the following basis for judging an institution's age: "The dates when the first instruction on the college level was given. . . ." We published his list with comment but with no additional research of our own.—Ed.)

Prexy Corroborated

SIR: Your article, "How Old Is a College?" did much to restore my faith in *everything*. My first class at Brown in September, 1917, was an orientation lecture conducted by Prexy Faunce. I have always remembered that he told us that there were nine colleges founded in the Colonies prior to the Revolution and that six of these predated Brown.

If I had found after all these years that

the information was incorrect, I think that I would have been entirely disillusioned. I am very appreciative that Mr. Anstaett at Franklin and Marshall was able to corroborate Prexy. I can now relax and have faith that no new atomic clock has changed the information. Nothing less would be enough to show W.H.P.F. incorrect in anything.

CLIFTON N. LOVENBERG '20
Pawtucket

Ivy, Home-and-Home

SIR: Despite Stan Woodward's wailings in the *Herald Tribune* the other day, I'm enthusiastic about home-and-home football in the Ivy League. Though I may not be around to see it, I confidently predict that by 1970 every game played by Yale away from the Bowl will produce a paying crowd equal to the average of the past five seasons IN the Bowl.

Stan makes a great point of Dartmouth's decision to keep its game in New Haven, but Hanover is the one location that's out of the world of pay-at-the-gate. One has only to look at Ivy basketball to note the way in which, playing before an enthusiastic home crowd, an underdog team not infrequently upsets the favorite. Woodward exalts Yale but makes no mention of the fact that all of the Eli's games were played in the Bowl except for the final one.

ALEXANDER GARDINER '14
Fairfield, Conn.

Photo Block-Outs

SIR: We all enjoyed your reference to "Photo Block-Outs" in *Small Talk*. (We had commented on people standing in front of college banners, so that PEMBROKE appeared MBROKE and BUCKNELL showed an equally incredible KNELL. (In the latter case, the blocker was Wesley N. Haines '36, Bucknell Development Director.—Ed.)

You won't believe it, but Wes Haines actually tried to block out the BUCK in that photo, for he actually knocks out Bucks for Bucknell. Anyway, our campaign went over the top in January in spite of the fact that the weather had well-nigh knocked out all of us.

JOHN H. SHOTT
Alumni Secretary, Bucknell

(Mr. Shott, of course, signs himself as "Buck."—Ed.)

SIR: My husband was amused at the photographic mishap that caused the PEMBROKE banner to be cropped so as to read: MBROKE. Indeed, his humor was so obnoxious that I threatened a kitchen strike, featured by salt in his coffee, three minute eggs cooked five minutes, and no cheese for his apple pie. This brought him quickly to heel with cries of "Uncle!" This

household is back to normal now, accenting the OK in Pembroke.

L.B.B.
Providence

SIR: We enjoyed your parlor game that is based on blocking out certain letters of college names. You missed a bet in not seeing that BROWN men regard the University as their OWN.

W.S.
Providence

SIR: Surprised you didn't think of the fund-raisers blocking out all but the GET of Gettysburg. HAR, HAR, HAR (from Harvard, Hartford, and Hardin-Simmons).

CATHERINE FINLEY
Bryn Mawr, Pa.

(With one last GRIN, courtesy of Grinnell College, and/or an OUCH from Goucher, this correspondence ENDS, the block-out residue from Friends University.—Ed.)

Night of that Yale Game

SIR: I have just read the 50-year story of Brown's first victory over Yale. Maybe I can provide you with a little sequel.

On that November night in 1910 I was sitting in at the City Editor's desk at the *Providence Journal*. I had to assign someone to cover the wild demonstration that was taking place downtown and on College Hill, and I picked a rather new man on the staff who had written some excellent stories. If you look back on the files, you'll find he covered the doings in as fine a manner as ever had been done for such affairs.

After the young man had turned in his copy and I had read it and shot it through the tube to the composing room, he still stood by my desk. Finally he said, "Have you anything against me?" I was puzzled but replied, "No. Why?" His reply was terse and to the point. "I'm a Yale man!"

CHARLES R. STARK, JR. '07
Spokane, Wash.

Who Is the Corrupter?

SIR: Ben Bagdikian's eloquent "Protest to a Pitchman" must have impressed the Freshmen. It always does, no matter who makes it—or where. I have heard it applauded even by an audience of advertising men. But isn't it time we realized that this kind of talk, eloquent as it is, may be missing the point? Do we get at causes when we devote ridicule to a fixed question?

I wish some philosopher-historian, preferably from the Brown University Faculty, reasonably free from gown bias toward the town, would try to answer some questions that seem to be getting asked without any more convincing reply than "'taint so!"

Which is cause and which is effect? Or are cause and effect, as often happens, so inextricably mixed that we can't separate them?

Have the shoddy aspects of modern mass communication so corrupted and blunted public taste that the public is no

More Letters . . .

longer able to respond to the finer aspects of mass communication? (Yes, there are some—probably more than the Bagdikians suspect.)

How does public taste today (and here the historian must answer) compare with public taste 50, 100 years ago? Or, let's say, 2000 years ago? Who, by the way, was in the television business when Socrates was condemned?

But why labor the point? I believe that, unless we can separate causes from effects, we shall never get at the causes. If the American public is being corrupted, as so many viewers-with-alarm think, isn't it essential that we go at the problems with some sense of historical perspective? And with some philosophical objectivity—if that is not a contradiction in terms?

For years I have criticized the shoddy advertisers, often far more severely than Bagdikian. But in all the years I've never been sure who is the corrupter and who is corrupted. And I know of many high-minded advertising and newspaper people who have found themselves hopelessly spitted on the horns of the same dilemma.

C. B. LARRABEE '18
Washington, D. C.

(Carroll Larrabee was for years a leading spokesman and critic of the advertising business as Editor and Publisher of *Printer's Ink*. He is now Director of Publications for ACS Applied Publications, published by the American Chemical Society. We regret the delay in the appearance of his prompt reply to our autumn article.—Ed.)

Protest Approved

SIR: In a recent issue of the *Alumni Monthly* it was a rare pleasure to read Ben H. Bagdikian's article, "Protest to a Pitchman." I enjoyed his diagnosis of the washing, "for free," which our brains get by irresponsible mass media, and the stultifying conformity which this irresponsibility has produced.

May Brown men have the good fortune to meet him often, and may his penetrating courage gain the recognition it so richly deserves.

DWIGHT H. SPENCER '19
Albuquerque, N. M.

NOTE: Ben Bagdikian has moved to Washington, D. C., to head the Providence *Journal-Bulletin* Bureau there. He was a recipient of one of Brown's Civic Awards during the 1959 Convocation.—Ed.

Side-Saddle Quarterbacks

SIR: May one who has seen the great majority of the Brown football games both at home and abroad from 1909 to date make a suggestion about Brown football for next year? Let the *Monthly* get the reaction if it is proposed to ask the Head Coach to restore the position of the quarterback to his orthodox manner. I am sure

the players will be pleased as well as those who work with the team daily at various duties and most of the alumni. If the Head Coach would talk it over with his father, it would help. He probably remembers me, not as a critic but as one who has always been a royal rooter. I am now merely trying to offer an idea that is constructive.

J. HERBERT WARD '01
Providence

Getting Our Class Notes

SIR: I write to ask why there were no 1954 notes in the past issue of the *Alumni Monthly*. During the general campaign of the Bicentennial Drive, I became aware of the effect of the magazine on Brown men and their families, and I know that in some cases it made our job of selling the University much easier. For this, as much as any other reason, I am disturbed that our Class was not represented.

It would seem that, if responsible men in many areas of the country were asked to send in news from time to time, the job of the Class Agent would be simplified. At least, you would be assured that our Class or any Class adopting this plan would be heard from.

ROGER J. K. CROMWELL '54
New York City

NOTE: Roger Cromwell's letter calls for explanation and comment. Our department, "Brunonians Far and Near," is assembled and edited from many sources. If Brown University is mentioned (and we wish it always was in such matters), our clipping service picks up news items from all over the country. Some material comes from the public relations arm of a business, college, or military service. Other items are found in such papers as we read in Alumni House, in personal correspondence, and in reports from visitors to alumni gatherings. Some faithful people like Cy Flanders '18 in Hartford, Al Gurney '07 in Providence, Jack Monk '24 in Chicago, and Bill Dyer '24 in Indianapolis (to name a few) act as regional correspondents on an informal but effective basis.

But the central responsibility for Class notes rests with the Class Secretary or Class Correspondent. (Where this work is delegated to the latter, it is because of his special interest or competence.) In several of the larger Classes, the Secretary has lined up a crew of correspondents, often in different parts of the country, who take a month apiece to solicit and collect items from those most available through reasons of geography or friendship.

A factor in the situation is the wide dispersal of Class Secretaries in the younger generations. Although the Associated Alumni recommend that a Secretary be a Providence man (all else being equal), no Class more recent than 1951 has a Rhode Islander in this office. Military service, graduate work, and business provide good reasons for the officer being farther afield, of course; and remoteness has not prevented a number of Secretaries doing a fine job with respect to Class notes.

The magazine, then, uses the notes it

gets through its own routines. Beyond that, Jay Barry, the departmental editor, must rely on the Class organization. Where a correspondent wishes to cover the Class through systematic appeals to a segment of its members each month (as some Secretaries do), the Alumni Office can provide addresses. In older Classes, it is inevitable that items will be fewer, for a variety of reasons.

We hope that any alumnus will share with us information which will be of interest to his contemporaries or appropriate for inclusion in his biographical file. What has been said of Class notes, of course, applies to our columns of vital statistics.—Ed.

Crew Decision: Applause

SIR: I think I speak for most alumni in applauding the University's recent decision to confer Varsity recognition upon the Brown crew. By any criteria one wishes to select, this organization deserves status as a Varsity sport, and it is gratifying to see that its long campaign has finally reached fruition.

Also deserving of thanks are the many alumni who gave their support, both moral and financial, to the Brown Rowing Association during its existence as a Club. Varsity recognition might still be a dream were it not for their untiring efforts.

ROBERT E. KLEIN '60
New York City

At the Syracuse Regatta

SIR: I wish you'd start beating the drum in that slick magazine of yours about what will happen in Syracuse at the time of the intercollegiate crew races. At regatta time the UpState New York Brown Clubs are going to join hands as co-sponsors of a "Homecoming Away From Home."

We are counting on the Brown crew to be here again. I've written a few yachtsmen suggesting that they sail up the Inland waters for the event, by way of the old Erie Canal. Any other Brown men with canoes or things bigger should pull them out of hock and push along so that our fleet will dominate the scene this year. (Last year we dominated in reverse or in absentia by having the smallest cheering section but the damndest, fightingest crew on the pond.)

WILLIAM MARGESON '37
Syracuse

Dr. Solomon Drowne

SIR: Just before you published the material about the one-time Brown Medical School, there appeared an article in the *Eastern States Cooperator* for January about one of the personalities mentioned by you: Dr. Solomon Drowne of the Class of 1773. Mathias P. Harpin, the author, tells of his pioneering studies on soil erosion, crop rotation, and proper plowing:

"Dr. Drowne believed that if soil conditions were so poor in New England, farmers had only themselves to blame. They must quit shallow plowing and plowing up and down hill. . . . People from far and

near came to see Dr. Drowne's farm (Mount Hygeia)—this solid example of theory and practice. Nearby was this man's botanical garden with its rare trees and shrubs and its herbs."

I was especially interested because of Brown, gardening, and the fact that my mother's family came from Foster, where the Drowne farm was located.

LESLIE E. SWAIN '08
Craigville, Mass.

An Anniversary Missed?

SIR: While reading the articles on the Medical School (and particularly the one on the history of the original Medical School at Brown), I noted a reference to the fact that the first attempts at "University Extension" came in 1785-86 when Prof. Benjamin Waterhouse gave some courses of popular lectures on natural history, apparently open to the public.

Looking up the reference in Bronson's "History of Brown University," I see that he says something had been done from early times "to bring the benefits of the College to the whole community." In this spirit, it seems to me, Brown continues to operate in its Extension Series.

My point in writing is this: Has the University missed an opportunity to call attention to the 175th anniversary of its Extension courses? Certainly it is 175 years since 1785-86.

As one who has enjoyed a number of Extension courses over some period of time, I offer my appreciation to the University in any event.

WALTER WATSON
Pawtucket

A Vote in Favor

SIR: As an interested alumnus, I should like to support any efforts presently operating or contemplated to reopen a medical school at Brown.

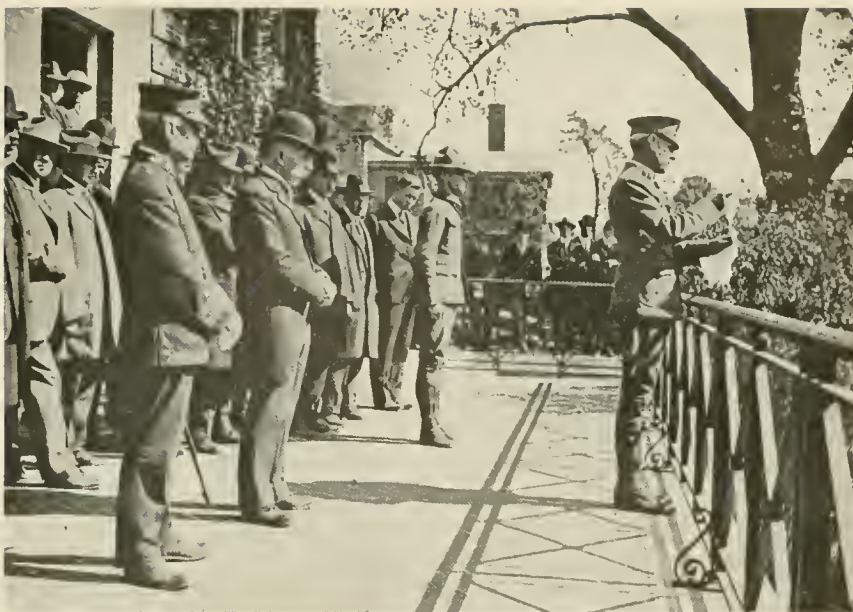
LT. ALFRED E. FIREMAN '52, MC/USNR
Portsmouth, N. H.

Unhappy About the Library

SIR: During my recent visit to Providence, I heard considerable about the plans for the new Library, which were further described in the November issue of the *Alumni Monthly*. Very likely I am the only member of the family of Brown men who is not happy about the plans. The only reason I raise my feeble protest is that I do date back to the time when Robinson Hall was the University Library: I saw the building of the John Hay Library and of what I still think of as the Administration Building.

When the John Hay Library was built, the plans included a rather novel feature, not found in many library buildings, which provided for future expansion as the collection grew. I remember how this fact pleased my father, who was at that time University Librarian.

The arrangement was exceedingly simple. When more room was needed, the stack was to be extended until it reached Waterman St. The space between this



THIS POSTCARD came to Alumni House recently, with the following poignant message: "That is my derby. It was borrowed for the occasion. Please look in your coat closet to see if it isn't wrapped up in some Providence News-Tribunes." Same alumni will recognize the scene as the terrace of Faunce House on Oct. 1, 1918, when the Student Army Training Corps and the Brown Naval Training Unit were being inducted into the national service. Among persons who may be identified are President Faunce, Dean Otis E. Randall, Prof. Robert F. Chambers '09, and Prof. Samuel T. Arnold '13.

stack and the main portion on Prospect St. was to be left open as a sort of court to provide light and air. If still more room was wanted, the stack could be extended along Waterman St. up to Prospect. Presumably, along Prospect, between the present building and Waterman St., another section would be built in harmony with the present facade. But "the best laid plans—"

The first time an addition was made to the building, the original plan was violated. The annex was built of red brick, which swears at the white marble, and it blocked up the space that should have been left vacant for the patio. Of course, it would not be too late even now to follow the original plan. The only demolishing that would be necessary would be that of the brick annex and the two wooden houses on Waterman St. I presume that these two could be moved elsewhere and still be used. There would be no need of tearing down Van Wickle Hall or digging any tunnels.

The new building would be unified and concentrated in one place. The addition on Prospect St. would furnish space for all the new reading rooms, etc., that could be desired. The enlarged stack would be ample for many years to come. And the building as a whole would be one of the most beautiful and distinctive college libraries in the country.

KARL H. KOOPMAN '13
U. S. Virgin Islands

NOTE: For three or four years, University officers studied ways and means of expanding the present John Hay Library by building an addition on such land surrounding it as Brown owns. After surveying our needs, the architects hired by the

University reluctantly came to the conclusion that the land available was insufficient for library purposes for the next few years.

Because of the thickness of the bearing walls (and almost every wall within the building is a bearing wall), the present building would be an extremely difficult and expensive building to add to. Someone who checked on variations of floor level discovered that there are 13 levels within the John Hay. All of this presents a tough problem if you wish to have books and people flow easily in and out of the stacks and building.

The proposed solution, then, seems far better than trying to make do with a series of annexes on the John Hay. The John Hay will lend itself to a Special Collections library with little alteration. It should prove one of the outstanding rare-book library buildings in the country.—Ed.

"With Joyful Emotion"

SIR: I am delighted with your report on the showing of the Brown University film at our hospital here in France. Any delight I have, of course, extends also to Tony Ittleston '60 and to the local people here who made the screening possible. More thanks to Ittleston than I can express for his effective labors for the interests of our beloved Alma Mater. "My heart swells within me with joyful emotion."

DR. THEODORE C. MERRILL '96
Creteil, France

Dr. Moe's Society

SIR: I am delighted to read that Henry Allen Moe has been made a member of the Brown academic family by virtue of an honorary degree. He is not, however, as

More Letters . . .

stated in the note, president of an organization called the "American Philosophical Association."

Dr. Moe is President of the American Philosophical Society, the oldest learned society in the New World. Incidentally, it has no exclusive or particularly close connection with philosophy. The adjective in the title refers to the knowledge or science of "ingenious men" as the word would have been used by Benjamin Franklin, founder and first President of the Society. The full corporate name is somewhat quaint in the middle of the 20th century—"The American Philosophical Society Held at Philadelphia for Promoting Useful Knowledge."

ROBERT CUSHMAN MURPHY '11
Setauket, L. I., N. Y.

Reunion Missed

SIR: It was with immense regret that I learned of the death of Harrison Wright. Throughout my participation in the Brown Bicentennial Campaign, I had the pleasure of speaking with him several times, and it would seem that a more loyal alumnus never existed.

He was extremely fond of reminiscing about life on the Campus, and his recollection of certain incidents was almost as vivid as if they happened yesterday. Impromptu evening gatherings for songs on the steps of Sayles Hall, the Brown crew,

and the escapades of the Psi Upsilon fraternity were among the many memories he was eager to share—memories which succeeded in making this "Class of '55" Pembroke extremely homesick for College Hill.

Mr. Wright spoke enthusiastically about what seemed to be his heart's desire—his plan to return to Brown for his 60th Reunion. I believe his spirit will always remain with his beloved Brown University and the Class of "Ought-One."

NANCY SCHULEEN HELLE
Bernardsville, N. J.

A Mystery Solved

SIR: The mystery was this: How did news of Joel Davis' clever fund solicitation last June reach page 57 of a recent issue of the *American Salesman*? The solution: I put it there after receiving one of those letters to 1956 men. Thus extends the name of Brown to the sales profession.

JOSEPH FOCARINO '56
Assistant Editor
The American Salesman

Another Rohrbach Honor

SIR: In your January article on the past football season at Brown, you neglected to mention that Jack Rohrbach was also named to the second team of the Coaches' All-Ivy. This is an honor more deeply felt by many Ivy League football players than the A.P. selections.

MRS. JOHN J. MONNIS
Middletown, Conn.

Bureau of Vital Statistics

MARRIAGES

1915—Lawrence L. Hall and Mrs. Margery Reynolds Drilea of Summit, N. J., Dec. 30. At home: 730 Ten Rod Rd., North Kingstown, R. I.

1922—The Rev. H. Lincoln MacKenzie and Catherine May Monroe, in Boston, Jan. 25, 1960.

1933—Holmes O'Ryan and Mrs. Mildred Leak Schiffman of New York and Greensboro, N. C., widow of Harold A. Schiffman, Jan. 27. Donald Bomann '56 was best man. At home: 301 E. 66th St., N.Y.C.

1947—Rudy K. Meiselman and Miss Hope E. Royal, daughter of Mr. and Mrs. Boardman A. Royal of Providence, Dec. 27. At home: 12 Brimfield Rd., Cranston, R. I.

1949—Milton LeRoy Rusk and Mrs. Elaine Stride Pool, daughter of Mrs. J. Burton Stride of Saco, Me., and the late J. Burton Stride, Jan. 28.

1952—Lester L. Halpern and Miss Roberta Teich, daughter of Mr. and Mrs. Maurice Teich of Brooklyn, N. Y., Dec. 26. Matron of honor, Mrs. Thomas Gold, is the former Lila Teich, Pembroke '54.

Usher was Joseph Dorgan '53. At home: 117 Nonotuck St., Holyoke, Mass.

1952—Dr. Neal R. Riesner and Miss Barbara S. Miller, daughter of Mr. and Mrs. Louis R. Miller of New York and Phoenix, Ariz., Dec. 11.

1953—Henry Stern and Miss Shari B. Kaye, daughter of Dr. and Mrs. Albert E. Kaye of Brooklyn, N. Y., Dec. 18. Ushers were Gerald Markowitz '53, Allan H. Goldberg '53, Richard Mendelsohn '53 and Jordan Zack '54.

1953—Alonzo F. Tredwell and Miss Marjorie A. Holland, daughter of Mr. and Mrs. Clarence L. Sweeney of Swampscott, Mass., Dec. 10. John F. Puccinelli '54 ushered. At home: 285 Lynn Shore Dr., Lynn, Mass.

1954—Charles A. Dean and Miss Deborah L. Roberts, daughter of The Rev. and Mrs. Philip W. Roberts of Middle Haddam, Conn., Jan. 3. At home: 126 Sixth St., Providence.

1954—Capt. Shant Markarian and Miss Diane M. Demirjian, daughter of Mr. and Mrs. Stephen M. Demirjian of Warwick, R. I., Jan. 22. The bride is Pembroke '58. At home: Apt. 101, Carlisle Apts., 19 Post Office Ave., Laurel, Md.

1955—Charles A. McAlister and Miss Florence A. Orlando, daughter of Mr. and Mrs. Guino Orlando of Walpole, Mass., Oct. 23. His brother, William McAlister '53 ushered. At home: 37 South St., Foxboro, Mass.

1955—Terence B. Mariani and Miss Janet P. O'Callaghan, daughter of Mr. and Mrs. George O'Callaghan of Wilmette, Ill., Nov. 12. The bride is Pembroke '57.

1956—James Grocott and Mrs. Phyllis Durant, daughter of Mr. and Mrs. William H. Davenport of Amherst, Mass., Dec. 17. At home: 145 Dartmouth Ter., Springfield, Mass.

1956—LT(j.g.) Harold R. Lambright, Jr., USNR, and Miss Maureen M. Stephens, daughter of Mrs. James Fleagle of Seattle and Mr. Harley W. Stephens of San Bernardino, Calif., Dec. 3. Maurice C. Davitt '56 ushered. At home: Country Lakes, N. J.

1956—Alfred N. Lawrence, Jr., and Miss Mary T. Livingston, daughter of John G. Livingston, Jr., of Cedarhurst, L. I., and the late Mrs. Livingston, Jan. 29. Ushers included Frank Crocker '54, John Hines '56 and Donald Sennott '52.

1956—Richard G. McKenney and Miss Ruth Palmer, daughter of Mr. and Mrs. Leigh J. Palmer of Marblehead, Mass., Dec. 31. At home: 112 Lothrop St., Beverly, Mass.

1958—William R. Blackman and Miss Audrey J. Almeida, Oct. 27. The bride is Pembroke '58. At home: 101 Glen Keith Rd., Glen Cove, L. I., N. Y.

1958—LT(j.g.) Charles L. Hughes, Jr., USN, and Miss Elizabeth M. Zawalik, daughter of Mr. and Mrs. Paustine Zawalik of Northampton, Mass., Dec. 26.

1958—John J. Roach, Jr., and Miss Jollee A. Chambers, daughter of Capt. Thomas E. Chambers and Mrs. Chambers of Los Angeles, Jan. 25.

1959—Bailey W. Blethen and Miss Mary Jane Freudenthal, daughter of Mr. and Mrs. R. E. Freudenthal of Edina, Minn., Dec. 20. At home: 2118 West 76 St., Richfield, Minn.

1959—C. Bennett Brown, Jr., and Miss Judith E. Matrick, daughter of Mr. and Mrs. Edward E. Matrick of Malverne, L. I., N. Y., Dec. 30. Raynor W. Clark '59 was best man.

1959—Joel G. Caslowitz and Miss Geraldine L. Monti, daughter of Dr. and Mrs. Victor H. Monti of Woonsocket, Jan. 8. Father of the groom is Himan M. Caslowitz '28. At home: 149 Park Drive, Boston.

1959—George W. Whitney, Jr., and Miss Barbara J. Wallace, daughter of Mr. and Mrs. Ralph M. Wallace of East Providence, Jan. 14. At home: 125 North State St., Concord, N. H.

1960—Robert E. Nadeau and Miss Elizabeth Tillinghast, daughter of Mr. and Mrs. Charles C. Tillinghast, Jr., '32 of Bronxville, N. Y., Dec. 26. The bride is Pembroke '61. At home: 62 South Main St., Sharon, Mass.

1960—William S. Smith and Miss Suzanne Wright, daughter of Mr. and Mrs. John C. Wright of Mamaroneck, N. Y., Dec. 18. Ushers included David Beach '60.

BIRTHS

1939—To Mr. and Mrs. Earl H. Metzger, Jr., of Atlanta, Ga., their third child and first son, Earl Harrison, III, Jan. 3.
1947—To Mr. and Mrs. Raymond S. Barnstone of Framingham, Mass., their fourth child and first daughter, Lori Miriam, Jan. 24.

1947—To the Rev. and Mrs. David T. Cross of Berkeley, Calif., a son, John Hambrook, Aug. 12.

1947—To Mr. and Mrs. Franklin D. Volpe of Arlington, Mass., their fourth daughter, Helen Regina, March 30, 1960.

1949—To Mr. and Mrs. William J. Demers of Rumford, R. I., a son, Kenneth Edmund, Dec. 23.

1949—To Mr. and Mrs. Marvin G. Tesler of Pawtucket, their second child and first son, Peter Jon, March 22, 1960.

1950—To Mr. and Mrs. Henry W. McGreen of Cranston, R. I., twin sons, Robert James and Ronald Edward, Dec. 22. Paternal grandfather is Thomas E. McGreen '12.

1950—To Mr. and Mrs. Neale O. Pierce, Jr., of Pawtucket, a daughter,

Linda Joy, Dec. 22.

1951—To Mr. and Mrs. Graham D. Andrews of Conshohocken, Pa., their second child and second daughter, Elizabeth Alcorn, Jan. 25.

1953—To Mr. and Mrs. Frederick R. Gleason, Jr., of Pittsburgh, their second son, Christopher Arnold, Dec. 5. Grandfather is Frederick R. Gleason '11.

1953—To Mr. and Mrs. Clifford J. Ryding of Cranston, R. I., a son, Gregory Ernest, Jan. 18.

1953—To Mr. and Mrs. Alan R. Sarle of Worthington, O., a son, Perry Waterman, Dec. 7. Grandfather is Percy W. Sarle '16.

1954—To Mr. and Mrs. David N. Orth of Nashville, Tenn., a daughter, Jennifer Stewart, Jan. 2.

1954—To Mr. and Mrs. Robert S. Steven of Tokyo, Japan, their second son, Mark Evan, Oct. 15. Mrs. Steven is the former Margrit Benzion, Pembroke '54.

1956—To Mr. and Mrs. John W. Moggayzel of East Providence, a son, John Warren, Jr., Jan. 7.

1956—To Mr. and Mrs. Barry L. Sloane of Hopkinton, Mass., their first

child, a son, Michael Edward, Aug. 11.

1956—Dr. and Mrs. Peter M. Shutkin of San Francisco, a daughter, Lisa Noel, Dec. 25.

1957—To Mr. and Mrs. Robert J. Giordano of North Arlington, N. J., their first child, a son, Robert J. Jr., June 8.

1957—To Mr. and Mrs. K. Richard Kaufman of Los Angeles, their first child, a son, Jeffrey Douglas, Aug. 22. Mrs. Kaufman is the former Lois Kaufman, Pembroke '57.

1958—To Mr. and Mrs. James C. Hart of Millis, Mass., their second child and first son, Jay Clinton, Dec. 21. A grandfather is Guy Hart '28.

1958—To Mr. and Mrs. J. Hampton Hickman of New Haven, their third daughter, Rochanya Charlotte, Dec. 31.

1958—To Mr. and Mrs. Kenneth A. Kurze of Washington, D. C., their first child, a daughter, Barbara Irene, Dec. 21.

1958—To Mr. and Mrs. David L. Nass of Springfield, Mass., their first child, a daughter, Linda Jean, Oct. 14.

1959—To Mr. and Mrs. Walter E. Czuchra of Providence, a daughter, Susanna Elizabeth, Jan. 20.

In Memoriam

DR. JAMES ALLEN WORK, Instructor in the English Department at Brown from 1926 to 1928, in Bloomington, Ind., Jan. 22. He was Chairman of the Indiana University Department of English, a member of it since 1951. He had also taught at Northwestern, Wayne and Stanford. He was recognized for his research in the literature of the 18th Century and on the works of Chaucer. He was co-author of several modern language books and edited an edition of *Tristram Shandy*, by Laurence Sterne. His widow is Mrs. Constance Work.

DR. HARLAN HARVEY YORK, Assistant Professor and Chairman of the Botany Department at Brown from 1911 to 1920, in Montgomery, Ala., Jan. 8. Other teaching posts, both before and after his service at Brown, were: University of Texas, University of West Virginia, University of Pennsylvania, and University of Massachusetts. Phi Beta Kappa. Sigma Xi.

CHESTER STANLEY CHURCHILL '96 in Chicago, May 20. A civil engineer, he joined Swift and Company in Chicago in 1897, became foreman of the lard refinery, and advanced to the post of General Superintendent in 1912 after 10 years as Assistant Superintendent. He retired in 1938. His widow is Minnie W. Churchill, Orrington Hotel, Evanston, Ill.

LESTER WALTON MILLMAN '98 in Providence, Dec. 24. Long a member of the Rhode Island bar, he practised for many years in Pawtucket and Provi-

dence. He was associated with the Title Guarantee Company of Providence at one time.

HARRISON EARLY WRIGHT '01 in Basking Ridge, N. J., Jan. 7. He joined the business staff of the *Bernardsville News* in 1927 and served as its bookkeeper until he retired after 27 years of service. He was a charter member and a former Program Chairman and Treasurer of the Basking Ridge Historical Society, before which he presented many papers. A member of the Basking Ridge Presbyterian Church, he was a teacher in the Men's Bible Class and read the lesson on the Sunday before his death. Psi Upsilon. His widow is Eleanor F. Wright, 47 West Oak St., Basking Ridge.

ARTHUR WELLINGTON PINKHAM '02 in Lynn, Mass., Dec. 31. He was the third President of the Lydia E. Pinkham Medicine Co., and grandson of the founder. Long before he took over direction of the business, his grandmother's name was a by-word throughout the nation through her patent medicine for women. He was a former President of the National City Bank of Lynn, and, when elected at the age of 29, was called by the Associated Press the youngest bank President in the country. He had been Vice-President of the former Lynn Gas and Electric Co., Treasurer of the Renton Heel Co., a Trustee of the Eastern Massachusetts Street Railway, and a Director of the Lynn Institution for Savings and the Greater Lynn Chamber of Commerce.

He served the community during both World Wars, as Chairman of the Lynn Draft Board in World War I and as War Bond Chairman during seven drives in World War II. He was on the School Committee and Park Commission. With his brothers, Mr. Pinkham established the Pinkham Scholarships in 1925 and for the next 16 years awarded scholarships to deserving students at Classical and English High School. In all, 60 scholarships of \$2,000 each were awarded for a total of \$120,000. He served Brown as an Alumni Trustee and helped found the Brown Club of Lynn. Delta Kappa Epsilon. His sons are Charles H. Pinkham, Jr., '22, Richard



ARTHUR W. PINKHAM '02: The bust was a self-portrait when sculpture became a hobby.

G. Pinkham '43, Arthur W. Pinkham '51, and his grandsons are Charles H. Pinkham, II, '37 and Charles H. Pinkham, '48. His widow is Ruth G. Pinkham, 107 Nahant St., Lynn.

EDWARD BABCOCK BEAM '03 in Oakland, N. J., Jan. 16. He was a former real estate broker. Delta Kappa Epsilon. His widow is Bertha W. Beam, 127B McCoy Rd., Oakland.

JAMES EDWARD QUINN '03 in Mount Vernon, N. Y., June 19. He was a retired attorney, who had received an LL.B. from Harvard Law School in 1906 and was admitted to practice law in New York City in 1907. Phi Kappa. His widow is Mary A. Quinn, c/o Mrs. Dorothy Hall, 280 Collins Ave., Mount Vernon.

DR. HARRY WESTCOTT ROCKWELL '03 in Buffalo, Jan. 10. Recipient of an honorary degree from Brown, he was President Emeritus of the State University College of Education at Buffalo, having retired as President of the college July 31, 1951 after 32 years with the institution. He was named Principal of its predecessor, Buffalo Normal School, and directed its growth and expansion until it became one of the nation's largest Teachers' Colleges. He had earlier been Supervising Principal in Pelham and Superintendent of Schools in Oneonta. He was a Past President of the Buffalo Rotary Club, Past Governor of the 169th International District, and President of the New York State Academic Principals Association. He was listed in Who's Who in America, was a Life Member of National Education Association, Past President of Phi Beta Kappa, Member of Board of Directors, Buffalo Museum of Science, Buffalo Historical Society and Past President of the Brown Club of Buffalo. Delta Kappa Epsilon, Phi Beta Kappa. His daughter is Mrs. Harriet R. Vogelsang, 62 Clarendon, Buffalo 9.

WILLIAM CLARK DROHAN '05 in Brockton, Dec. 18. He received his LL.B. from Harvard in 1909. He passed the bar examinations in 1909 before he received his degree in June. At the time of his death he had practiced law in the city of Brockton for 51 years. As a Past President of the Plymouth Bar Association, he was honored in January, 1959, by members of the Bar Association which presented him a plaque which noted his half-century of service to the bar. He was Clerk of Brockton District Court for a short time and practiced briefly in New York. Teresa A. Drohan, 30 West Chestnut St., Brockton, is his widow.

WILLIAM WHYTE REYNOLDS '07 in Providence, Jan. 7. A civil engineer, he worked on the McAdoo tunnels, Jersey City, the Pennsylvania Railroad station, New York, and an irrigation project in

Denver, before coming back to Providence to join Metropolitan Park Commission. For several years he was field engineer in charge of building and landscaping a large estate, Hatley Park, near Victoria, B. C. He also was engineer on the Providence reservoir construction in North Scituate and in landscape work at Wawa, Pa., before he bought and reorganized Warren Teaming Co., Providence. He formed Warren Landscape & Engineering Co., built golf courses in New England. Aldrich Field and Brown Field, and developed and promoted Louisiquisset Golf Club, a public course in North Providence. Delta Upsilon. His sons are William D. Reynolds '37 and Charles A. Reynolds '39. Another son is Robert G. Reynolds. His widow is the former Elyn (Hague) Mehan, Pembroke '09, 132 Irving Ave., Providence.

ALVIN INMAN MARSHALL '08 unexpectedly in Scottsdale, Ariz., Dec. 23. He was President of the H. D. Thompson Co., and had been associated with that company for the past 45 years. Five years ago he ceased to be active in the business, but remained as President of the company with his son, Howard W. Marshall, in charge of the business. He was a Captain of Co. K of the New York National Guard and commanded that unit when it went into active duty in World War I. He was the first Commander of the Malone, N. Y. Post of the American Legion. Keenly interested in community affairs, he was active in earlier years in the Republican Party and served as a member of the State Republican Committee. Delta Kappa Epsilon. His sons are Alvin I. Marshall, Jr., '40, Nathaniel M. Marshall, II, '43, and Howard W. Marshall. His widow is Carolyn H. Marshall, 34 Clay St., Malone, N. Y.

ARTHUR MATHIAS HAM '10 suddenly in New Denver, B. C., Canada, May 20. He was Vice-President of Western Exploration Co., Ltd., at Silverton. He was a Lt. in the Air Service in World War I, and had 18 months overseas. He was a former Vice-President of DeWolf and Ham Construction Co., Ltd., which contracted to build roads, logging flumes, and similar projects. One contract was the Nelson-Nelway road, opened in 1923. He was a former General Manager and Director of Western Exploration Co., engaged in mining and milling lead, zinc, silver and cadmium. Delta Kappa Epsilon. His widow is Elsie W. Ham, Silverton, B. C.

PHILIP AARON FEINER '16 suddenly in Providence, Jan. 12. He was a leading figure in industrial, civic and municipal affairs in Rhode Island. Even as a young man his talents in finance led to his association later in life with numerous City and State Departments dealing with business and the nation's economy. After studying aviation during World War I, he became a Cost Accountant

for the Army Ordnance Department and Auditor for the U.S. Treasury Department. During the depression of the 1930s, he was "Purchases Makes Jobs" Publicity Chairman and a member of a State Survey Committee for WPA projects. At the time of his death, he was President, Treasurer and Director of North & Pfeifer Mfg. Co., Secretary and Director of American Roll Gold Co., Director of P. A. Feiner & Associates, and Director of the Perfection Mfg. Co. He also managed oil drilling, patent promotion and other businesses. He was associated at various times with the Providence Employees' Retirement Board, New York World's Fair Commission, Rhode Island Civil Defense, YMCA, Red Cross, and a number of service clubs. He was a Past Governor of the 198th District Rotary International. His brothers are Arthur H. Feiner '22 and Leonard A. Feiner '29; his son is Philip J. Feiner '39. May B. Feiner (165 Congress Ave., Providence 7), is his widow.

HENRY DOUGLAS FRYER '19, a pioneer in industrial psychology, in Rye, N. Y., Dec. 24. He was one of the first to apply psychological research to management and military problems. During World War I he conducted early morale experiments, with programs of entertainment and indoctrination. He also studied at Columbia and Clark, receiving his Master's and Ph.D. degrees at the latter institution. He joined the Faculty of N.Y.U. in 1924, shortly becoming the administrative Chairman of the University Heights Department and serving for 15 years there. As a consultant to industrial concerns, he was one of the organizers of Richardson, Bellows, Henry & Co. and was its Vice-President. In 1950 he helped the Arabian American Oil Company set up industrial training programs in the Middle East. He became the first President of the Association of Consulting Psychologists in 1930, and he was later President of the American Association for Applied Psychology and Vice-President of the American Association for the Advancement of Science (Chairman of its Psychology Section). Author of a couple of texts and editor of various psychological journals, he was a Fellow of the American Psychological Association and a diplomate of the American Board of Examiners in Professional Psychology. His widow is Katherine H. Fryer, Rye, N. Y. (Mrs. Fryer was the daughter of the late Louise Homer, singer, and Sidney Homer, composer.)

HENRY EDWARD GOSS '22 in Fall River, Nov. 3. He had been a principal in J. & E. Goss, Inc., loom reed manufacturers. Theta Delta Chi. His widow is Lois G. Goss, South Swansea, Mass.

MAURICE HILLIARD CALDWELL '24 in Providence, Jan. 5. He was owner of Maurice H. Caldwell, Real Estate and Insurance Co., which he established in

Providence in 1925. He was a 2nd Lt. in the 335th Infantry in World War I.

HYMAN JERRARD SMALL '26 in Worcester, Dec. 28. He was a partner in Small & Small Insurance Agency, and was considered one of the leading agents of United Life Insurance Co. of Concord, N. H., with an association of 23 years. He had been a member of the City Planning Board since 1957. Last November he was elected to his third one-year term as President of the Congregation of Temple Emanuel. He had been President of the Brown Club of Worcester, and a worker in the admission program. He was a Past President of Temple Emanuel Brotherhood and of the Probus Club; a member of the Board of Directors of the Jewish Home for Aged, the Worcester Art Museum, and Worcester Natural History Museum. His avocation was collecting autographs and letters from famous persons. His widow is Lillian G. Small, 6 Knollwood Dr., Worcester 8.

RICHARD HENRY MOORHOUSE '27 in South Weymouth, Mass., Dec. 11. A resident of South Weymouth for 12 years, he was a Supervisor at American Sugar Co., Cambridge. He had earlier served as teacher, athletic coach and Vice-Principal at East Bridgewater High School. His brother is Harold R. Moorhouse '24; his sister, Mrs. Earl B. Sukeforth is the former Ruth E. Moorhouse, Pembroke '34. Kappa Sigma. His widow is Virginia S. Moorhouse, 464 Ralph Talbot St., South Weymouth.

RICHARD ARNOLD FITZ '28 in Barrington, R. I., Jan. 30. He was a retired boat builder and an active yachtsman. Phi Gamma Delta. His widow is Joan T. Fitz, 68 Ferry Lane, Barrington.

ARTHUR HILER RUGGLES, honorary '29, in Boston, Jan. 2. He was Physician-in-Chief and Superintendent of Butler Hospital for 26 years prior to his retirement in 1948 and a nationally recognized leader in the field of mental hygiene. He had been President of the American Psychiatric Association and the National Committee for Mental Hygiene. In addition to the Brown honorary degree, he had been similarly honored at Dartmouth, his Alma Mater, and U.R.I. He was a Lecturer in Psychology at Brown from 1938 to 1940 and a consultant in psychiatry for many years.

FREDERICK ALVIN FOX '33 suddenly in Groton Long Point, Conn., Dec. 16. He was the owner of the Providence Bakeries in Mystic and New London. Phi Gamma Delta. His widow is Harriet MacC. Fox, 217 West Shore Ave., Groton Long Point.

JOHN RUSSELL WING '35 in Marion, Mass., Nov. 30. He was district Manager of the Tilo Roofing Co. Inc., in Fairhaven, Mass. He was a direct de-

scendant of John Russell, one of the original settlers of Dartmouth, in an area now within the New Bedford city limits. He was a Navy veteran of World War II. Psi Upsilon. His son is Thomas L. Wing, Middlebury College, Middlebury, Vt.

EDMUND RENTZHOOG EAST '38 in Manchester, N. H., Dec. 20. He had been nationally known for his work as Superintendent of the New Hampshire Industrial School for the past eight years. He was a Past President of the New England Conference on Probation, Parole, and Crime Prevention. After graduation he received an honorary Fellowship to the National Institute of Public Affairs, Washington, D. C., later studying and graduating from the Public Service Institute of Pennsylvania. He began his career as a junior Warden's Assistant at the U.S. Penitentiary, Lewisburg, Pa., then became Director of Classification at the Pennsylvania State Industrial School for Boys at Camp Hill. After wartime service in which he saw combat action as a PT boat Captain, he returned to penology as an officer at the Naval Prison in Portsmouth. He was a member of the American Correctional Association, National Conference of Superintendents, and New England Society of Criminology. East had earned a Master's degree at the University of New Hampshire and at Boston University and was a doctoral candidate. He was a Deacon of the Brookside Congregational Church. Alpha Kappa Delta. Pi Gamma Mu, and Phi Kappa Psi. Charlotte S. East, 782 North River Rd., Manchester, is his widow.

JOHN HOWARD BRIGLEB '40 suddenly in Shaker Heights, O., Jan. 3. He had been an attorney in Cleveland since 1946. He served in the U.S. Navy in World War II, attaining the rank of Ltcd. He was graduated from the Western Reserve University of Law with an LL.B. degree in 1946. He formerly was associated with U.S. Senator Stephen M. Young in the Law firm of Young & Brigleb. He was a Director of Great Lakes Automotive Products, Inc. Phi Kappa Psi. His widow is Sally W. Brigleb, 3306 Kenmore Rd., Shaker Heights.

GERARD ROBERT WILLIAMS, JR., '44 in New York City, Nov. 20. He was in the Credit Department of Manufacturers Trust Co., N. Y., and a veteran of World War II. Psi Upsilon. His mother is Ruth E. Williams, 1034 Electric St., Scranton, Pa.

WILLIAM PATRICK FINNERAN, JR., '51 suddenly in Chicago, Dec. 29. For the last 10 years he had been employed by A. O. Smith Corp., and had worked at offices in Milwaukee, New York, and (for the last six years) in Chicago. Psi Upsilon. His parents are Mr. and Mrs. William P. Finneran, 5 Beechmont St., Worcester.

LESTER EDWARD THOMAS '51 in Woonsocket, Jan. 27. He was a Manager of the Production Control Department of Federal Products Corp., Providence. He was a lifelong resident of the Blackstone Valley area and served with the Army Signal Corps during World War II. He was a member of the Providence Chapter of the American Production and Inventory Control Society. His widow is Elizabeth C. Thomas, 700 High St., Cumberland, R. I.

DONALD McKINNON SINCLAIR '56 in Evanston, Ill., July 17. He was an Accountant with Peat, Marwick, Mitchell & Co. His brother is Ian A. Sinclair '56. Psi Upsilon. His widow is Mrs. Donald Sinclair, 659 Ann St., Plymouth, Mich.

DENNIS FORSTER CUBBISON '59 suddenly in Utah, Jan. 17. He was a Naval Air Cadet with the United States Navy. His parents are Mr. and Mrs. Joseph W. Cubbison, 3936 Las Vegas Dr., El Paso.

ALLAN DAVIS WEYMOUTH '62 suddenly in Plymouth, N. H., Jan. 22. He had been studying Mechanical Engineering at Brown. His parents are Mr. and Mrs. Harold D. Weymouth, 116 Edgemont St., Springfield 9, Mass.

Down in the Atlantic

L E. (j.g.) **DANIEL DUNLAP '57** was among the 23 persons missing after their plane was reported down in the Atlantic off the coast of Newfoundland on Jan. 25. He had been in Naval aviation since graduating in 1958, qualifying as a carrier pilot and later serving as a Military Air Transport Service pilot out of Norfolk, Va. He and Miss Pamela Jane Morgan of Bloomfield Hills, Mich., were married last August. His parents are Mr. and Mrs. Chesley Dunlap of 225 Waltham St., Lexington, Mass.

Dawson of Chemistry

T HOMAS L. DAWSON was known to students and teaching staff of the Brown University Chemistry Department as a man who could make any sort of a contrivance they needed in any sort of an experiment. He had been at Brown since 1928, although on a part-time basis since illness in 1958. When he died Jan. 18, the *Providence Journal* described him as "instrument maker, machinist, and general contriver for the Department."

Dawson did considerable work on the designing and making of various surgical braces, as well as his laboratory devices at Brown. When one of his friends suffered an injury to his neck and had to wear a heavy leather collar, Dawson made him a lightweight aluminum collar instead. This was subsequently copied throughout the country.

His widow survives him: Mrs. Elaine Polenis Dawson, 14 Edwin St., West Barrington, R. I.



THOMAS J. WATSON, JR. '37
*National Chairman
Bicentennial Development Program*

J. ANGUS THURROTT '31
*National Chairman
Brown University Fund*

BICENTENNIAL
DEVELOPMENT PROGRAM



BROWN UNIVERSITY
FUND

With a symbolic handshake, two well-known Brown alumni, J. Angus Thurrott '31, National Chairman of the Brown University Fund and Thomas J. Watson, Jr. '37, National Chairman of the Bicentennial Capital Gifts Campaign dramatize the partnership between the 1961 Brown University Fund and the Bicentennial Campaign. By joining forces, the Fund and the Bicentennial Campaign present each alumnus an opportunity to consider *one* gift to Brown in 1961 which will:

1. Represent his contribution to the Bicentennial Development Campaign.
2. Maintain his annual gift to the Brown University Fund during the period of his pledge payment (part of the dollar objective of the Bicentennial Campaign includes an amount to replace the normal unrestricted income

provided by the Brown University Fund. Therefore, when an alumnus gives to the Capital Campaign, he continues his regular annual support at the University.)

During 1961 the Capital Gifts Campaign Organization will continue the person to person solicitation of alumni throughout the country, telling the story of the Bicentennial. In the spring, Class Agents will begin a follow-up of classmates who for some reason were not reached by the Capital Campaign Organization. Thus each alumnus will have an opportunity to consider his gift to help the University meet the objectives of the Bicentennial Campaign.

Simply put, this means that each alumnus will have an opportunity between now and June 30, 1961 to make his contribution to the University either through the personal call of a fellow alumnus serving as a member of the Bicentennial Campaign team or through his Class Agent.

This book should be returned to
the Library on or before the last date
stamped below.

A fine is incurred by retaining it
beyond the specified time.

Please return promptly.

