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The Maine Alumnus

Member of the Alumni Magazines Associated

VOL. 7, No. 5

MARCH, 1926

TWENTY CENTS

Commencement is June 11 to 14
Alumni Day is Saturday, June 12



Reproduction of the Grasselli Medal (showing Front and Reverse sides) Awarded Recently to Dr. Edward Robie Berry, University of Maine, 1904, by the American Section of the Society of Chemical Industry. The Grasselli Medal has been Awarded Four Times, Twice to University of Maine Graduates. Dr. Allen Rogers of the Class of 1897 is the other Maine Man who received this High Honor and it was he who made the Presentation Speech upon the occasion of the Award to Dr. Berry. (See Page 67).

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The Maine Alumnus

Vol. 7, No. 5

March, 1926

DR. EDWARD ROBIE BERRY, '04 IS AWARDED GRASSELLI MEDAL

AMERICAN SECTION OF SOCIETY OF CHEMICAL INDUSTRY RECOGNIZES RESEARCH OF MAINE ALUMNUS ON CLEAR FUSED QUARTZ—IS SECOND U. OF M. GRADUATE TO RECEIVE HONOR—DR. ALLEN ROGERS, '97 MAKES PRESENTATION ADDRESS—DR. BERRY, NOW CONSULTING ENGINEER OF GENERAL ELECTRIC CO., REPLIES.

For the second time out of four awards the Grasselli Medal, gift of the Grasselli family of Cleveland and awarded by the American Section of the Society of Chemical Industry (British) for the most valuable thesis on applied chemistry has been awarded to a University of Maine man.

Dr. Edward Robie Berry of the Class of 1904 is the most recent alumnus to be so honored, while Dr. Allen Rogers of the Class of 1897 is the other alumnus who has received this recognition. An honor to alumni of this nature and magnitude cannot be overlooked and to the sons of Maine and to the University which taught them, no small credit is reflected.

As most of the members of the big Maine family know, Dr. Berry, better known to close friends and classmates as "Tim" has for many years been Assistant Director of the Thomson Research Laboratory at West Lynn, Mass. More recently he has been advanced by the General Electric Co. to the important position of Consulting Engineer, also an honor of considerable magnitude.

The research, which Dr. Berry has been directing, was begun in 1915 and much of his time since then has been devoted to this subject, not only to the scientific side but to the commercial development, to the extent that in the fields of science both here and abroad, Dr. Berry and his work are well known. There is a close association between the man on one hand and his methods and products on the other.

The work for which he has been responsible, has been proclaimed "wonderful," by many scientists. Professor Albert Einstein, author of the theory of relativity, when informed of the success of Dr. Berry and the General Electric Company in fusing quartz, ejaculated:—"This is certainly a very important discovery. I can only say that here we apparently have something most important, signifying great technical progress in the manipulation of quartz which seems destined materially to influence the optics of the ultra-violet rays."

"Clear fused quartz is the only known material which can be obtained in quantity and which is transparent to those rays known as ultra-violet, so important not only in the treatment of diseased conditions, but in the maintenance of our general health. It therefore occupies a unique position, one which is being recognized more and more by the medical profession," said Dr. Berry in addressing a meeting of the American Electro-Chemical Society at Philadelphia in April, 1924.



DR. E. R. BERRY, '04

It is interesting to note in this connection that a window of clear fused quartz has been placed recently at the Sanatorium of the Bangor Anti-Tuberculosis Society outside of the Bangor city limits. Aside from a similar window at the Children's Hospital in Boston, this is the only quartz window in any New England Institution.

Dr. Allen Rogers of Pratt Institute, Brooklyn honorary chairman of Society of Chemical Industry and selected by them to make the presentation address took considerable personal pride in his part of the exercises. In part, he said:—

EARLY DAYS OF MEDALIST

"It is with the sense of combined pleasure, pride and regret that I am here this evening to do my bit on the program. It is a pleasure to have the opportunity of presenting the Grasselli Medal to such a worthy gentleman; it is with great pride that I do so, because the recipient is a fellow alumnus of my Alma Mater. My regret is that he should have been so delinquent in presenting himself at the University of Maine, for by so doing he

missed by one year the greatest opportunity of his lifetime. My departure from the University of Maine was in June, 1900 and he entered in September of that year. It is almost heart breaking to think of what he might have accomplished had he been fortunate enough to have had the advantage of my able instruction during his Freshman year.

"Edward Robie Berry was born in Greenland, N. H., May 2, 1879. His parents, shortly afterwards moved to Massachusetts where in the public schools of Lynn he received his early education. In September, 1900 he entered the University of Maine, in which institution he not only followed the prescribed program for the course in chemistry, but completed at the same time most of the requirements in Electrical Engineering. Like the speaker, Dr. Berry was inspired and encouraged by that quiet, unassuming and lovable teacher Professor Alfred Bellamy Aubert, who for thirty-five years faithfully served the University as head of the Department of Chemistry.

"In June, 1904, Dr. Berry was graduated by the University of Maine with the degree of B. S. in chemistry. In 1907 he was awarded a Master's Degree, his thesis being "The Design and Operation of an Electric Furnace for the Manufacture of Titanium Carbide." Upon being graduated he at once accepted a position with the Orono Pulp & Paper Co. in their hydro-electric plant. Here he remained for one year when he resigned to enter the employ of the General Electric Company at Lynn, Mass. His early work at the General Electric Plant was upon the design and construction of electric furnaces.

"The work which he has directed may best be appreciated from the instructive and interesting address delivered at the March meeting before this section, and upon which subject he will no doubt

touch this evening. He has received a recognition from his Alma Mater, being granted in 1924 the honorary degree of Doctor of Science. Appreciation of his achievements has been shown by John's Hopkins University, which institution has appointed him as Consulting Chemist, on the staff of their Department of Pediatrics. The same honor has been conferred by the Children's Hospital and the Infants' Hospital of Boston.

"Dr. Berry is a member of the American Institute of Electrical Engineers, being at one time Chairman of the Lynn Section. He is a member of the American Chemical Society, American Electrochemical Society, American Ceramic Society and the Chemists' Club. His college fraternity is Beta Theta Pi.

"Dr. Berry, on behalf of the American Section of the Society of Chemical Industry, it affords me the greatest pleasure to present to you the Grasselli Medal, which we hope you will accept as a slight token of our esteem, and trust that it may serve as inspiration to additional achievements."

Dr. Berry responded to Dr. Rogers' presentation speech, the following being extracts of his address:—

"Mr. Chairman, Members and Guests of the Society of Chemical Industry:—

"In a development of this sort, which has required continuous effort over a period of ten years, it must be evident that no man alone could well have accomplished the ends which have in this case been reached.

"The very nature of research today, as carried out in our larger laboratories and organizations, (I am referring now to those broad fields of investigations) is such that success oft times can only be attained by the cooperation of many individuals. The problem, then, of the production of clear fused quartz in quantity and at a low price has been no exception.

"There have been engaged in this problem many men who have contributed largely to its success; and gentlemen, I like to feel that in accepting from the hand of your Society this very considerable honor, those members of the laboratory staff who have so contributed are likewise being honored.

"And further, Mr. Chairman, I like to feel that I am sharing the honor this evening in no small measure with the General Electric Company and with its officials whose broad policies as to scientific research are so well known to you all.

"Nearly 90 years ago, or to be exact, in 1839, a French scientist, Gaudin by name, working with the high temperatures of the newly-discovered oxy-hydrogen flame, was able to fuse or melt small fragments of quartz, obtaining fibers and small beads.

"When quartz is melted in the air, the water and dissolved gases, crystallized out

with the quartz millions of years ago, are set free and manifest themselves in the form of microscopic bubbles. The translucent or common form of fused quartz, with which you all have worked in your laboratories is not transparent due to a multitude of bubbles. One can perhaps visualize some of the difficulties which we encountered, when one realizes that these bubbles are set free in a molten mass which is highly viscous. A material which never becomes fluid in the ordinary sense of the word. This viscosity, coupled with the fact that quartz vaporizes well below its melting point, and that at the temperatures which we find it necessary to maintain inside our furnaces that the loss by volatilization is often as high as 20% during a time period of ten minutes. This will indicate, even to the casual observer, that the problem we have been working on is indeed difficult.

"Boyle, you will recall, proved that the volume of a gas varies inversely as the pressure. It is, then, possible by fusing quartz in vacuo to so enlarge these gas pockets that they will take up many times the space occupied under normal pressure. In vacuo, then, these bubbles which heretofore were microscopic, have now become so large that in most instances they find their way to the surface and are set free.

"The bubbles remaining (comparatively few in number) can be greatly diminished in volume, if not entirely eliminated, by allowing the pressure inside the furnace to greatly increase while the mass of quartz is still molten. This is accomplished by allowing nitrogen, or other gas, to flow into the container until pressures well over 1000 pounds per square inch are obtained.

"The use of mercury thermometers at temperatures well over 500°C constitutes a dangerous procedure, as the boiling point of the mercury must be raised by gas pressure inside the bulb and tube and at temperatures much over this point, the bulb becomes in substances a bomb which may explode with disastrous results.

"It is customary, then, at these higher temperatures to make use of thermal junctions. Very often there is no particular objection to the use of such an arrangement; in fact, sometimes it is not only entirely satisfactory, but is to be preferred. Of course, the thermal junction, leads and milli-voltmeter are not interchangeable and must be calibrated only with the arrangement which is to be used.

"There is a very considerable hysteresis in glass which often makes it difficult to interpret one's readings when once they have been obtained. While this property of glass does not play as conspicuous a part at the lower temperatures, it becomes of increasing importance as one progresses upward in the scale of temperature. I

have in mind some tests which were made in our laboratory which well illustrate the effect of hysteresis in glass.

"Two mercury thermometers, one of glass and the other of quartz, were placed in a bath of melting ice and their zero points marked. The thermometers were then, by way of a bath of fused sodium nitrate, raised to 510° from which temperature the thermometers were cooled within a period of three hours till zero was reached. The glass thermometer now read 1.5 below the original zero point.

"Again the thermometers were heated to 510° and again cooled to zero. This time the glass thermometer read 4.75°. This lag is caused by the hysteresis in glass. I neglected to say that in all observed cases the quartz thermometer came back accurately to the zero mark.

"While we were able to produce heavy walled capillaries of sufficiently uniform bore for thermometer use, it was very evident that some other substance than mercury would have to be found and one which would have a much lower vapor pressure, this before a thermometer reading well over 500°C could be produced.

"While working with the mercury-quartz thermometer one of my assistants, Mr. Sylvester Boyer, made a very valuable suggestion, namely, of using gallium in the place of mercury in the quartz thermometer.

"I would call your attention to a curious phenomenon which really makes the gallium thermometer possible, namely—that gallium in a thermometer possesses the remarkable property of remaining liquid much below its solidifying point as established by well known methods; for example, the freezing point of the pure metal is 29.7°. Contrast this now with the fact that in a thermometer it does not solidify at—20°, which is indeed a very convenient property.

"The boiling point of gallium, while possibly not definitely known, is usually estimated at from 1500° to 2000°. Its vapor pressure is so low that the thermometers which have been made are all of the vacuum type.

"A gallium-in-quartz thermometer, maintained at 1000°C for a period of several days, was apparently not injured in any way. 1000°C is the highest temperature at which we feel it is advisable to maintain quartz at, for any considerable period of time.

"I believe, then, that we have here in the thermometer which Mr. Boyer has developed an accurate device which in a remarkably satisfactory way bridges that gap between 500° and 1000°C and is an accurate temperature measuring device."

"While we have been able to produce directly from the electric furnace, high

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THREE U. OF M. RECORDS BROKEN AT INDOOR FIELD OPENING

Completed Unit of Memorial Gymnasium-Armory turned over to Undergraduates at Exercises Before Huge Crowd—Maine Track Athletes and Visiting Schoolboys Furnish Excitement in Events of Meet Program—Quarter Mile, Mile and Pole Vault Marks are bettered

Of all dates connected in any way whatsoever with the Memorial Gymnasium-Armory Building, March 11th will be one which will stand out prominently, and justly so. For it was during the evening of this day, recently past, that the Indoor Field unit was opened for the first time to the public and turned over to the undergraduates for their use by the Building Committee of the Memorial Fund Campaign. Appropriate exercises followed by a splendid track meet were attended by more than 2,000 and there was plenty of room for more in the massive structure which presented a picture mere words cannot describe.

On behalf of the committee of which he is chairman, Wm. McC. Sawyer, director of the campaign and who has been untiring in his efforts to make it what it has already produced in the way of material evidence on the campus—the Indoor Field unit,—turned the present plant and its equipment over to the students for their use. Henry B. Eaton, '26 of Calais, President of the Maine Athletic Association and Captain of 1926 University relay team, responded for the students in the way of acceptance.

Headed by the University Band of 70 pieces, a parade of athletes composed of all letter wearers, men and women, winners of class numerals, the competing track athletes as well as the members of 16 visiting interscholastic basket-ball teams, on the campus for the annual tournament sponsored by the athletic association, opened the program. In line besides the athletes were Acting President Harold S. Boardman, who later extended the greetings of the university to its guests of the evening, members of the Memorial Fund Building Committee, members of the Athletic Board, and the athletic coaches.

A feature of the exercises and one which had not been announced in the advance press notices was the presentation of a beautiful silk American flag, the gift of Dr. Frank H. Mead of Bangor, a friend of the University. The colors were unfurled to the strains of the Star Spangled Banner played by the University Band.

Everything within the Indoor Field was in shipshape order. Bright as day by reason of its well placed lights, the big arena which housed its first real large crowd proved an ideal place in which to watch a track meet. Enough students and alumni were present to make the place ring with Maine cheers. The band played several march numbers and Maine songs, and there was the "big league" indoor track meet atmosphere prior to, and during the events which made up the program. To the newly initiated, the field impressed. To those who had been within the big structure before, believe that it is about the finest thing ever reiterated itself.

NEW UNIVERSITY TRACK RECORDS MADE AT THE INDOOR FIELD OPENING

One-Mile Run

Arthur S. Hillman, '26—Time 4 minutes, 25 4-5 seconds

(Old record held by Roger W.

Bell, '16—4 minutes, 26 and 2-5 seconds)

440-Yard Dash

George A. Cahill, Jr., '26—Time 50 2-5 seconds

(Old record held by Ned Lawrence, '22—51 seconds)

Pole Vault

Roy Hobson, '27—Height 12 feet—1-4 inch*

(Old record held by Hobson 12 feet)

*Betterers State Record made by Drew Stearns, Maine, '25 in 1925 at 11 feet—9½ inches.

W. Bell, '16, remembered as one of the most powerful runners who ever wore the Blue. It is interesting to note that Hillman's time is 2-5 of a second faster than the time made by Archibald of Bates who won the mile at the State meet last Spring; and in so doing beat Hillman to the tape.

The second record to go during the evening was in the 440-yard dash when George A. Cahill, Jr., '26 of Bath stepped the double furlong in 50 and 2-5 seconds, under the time of 51 flat which Ned Lawrence, '22 hung up at the Waterville meet in that year. Cahill fairly "tore" the entire distance and big things are predicted of him this Spring. The present State record is 49 and 4-5 seconds, made by Wilson of Bates last year.

Roy Hobson, former Portland High track pupil, a Junior, broke his own University record in the pole vault. He had previously vaulted 12 feet in an interfraternity meet held in the Indoor Field, and topped this mark by just one quarter of an inch, failing when he tried 12 feet 2 and 1-4 to clear the bar in three attempts. The State record of 11 feet, 9½ inches, made by Maine's own Drew Stearns, '25, last Spring, appears to be in danger of assault when the four colleges meet at Brunswick in May, if Hobson's accomplishments of the recent past may be taken as a criterion.

EATON IS WINNER

Outside of the above features, several Indoor Field records were established or bettered. Henry Eaton, running from scratch in the 660-yard run in which Helffrich was due to appear, was clocked over the distance in 1 minute and 24 seconds, but two and 4-5 seconds behind the World's indoor record. It is safe to predict that Helffrich would have been pressed hard to even win, let alone breaking a record, as Eaton was in splendid trim and ran so strong a race. The time of the Maine relay captain established a new Indoor Field record in the 660-yard event and bettered his own previous time trial of 1:26. W. H. True, Jr., '26, of Portland cleared the 100-yard high hurdles in 13 flat which was 2-5 faster than his old mark. Forrest Taylor, '27 of Waterville, captain-elect of cross country ran a fast

HELFFRICH IS ABSENT

Disappointed temporarily by the announcement that Alan Helffrich, national middle distance champion, who has been training on the Indoor Field track, and who had planned to attempt to break the World's Indoor 660-yard record, as a feature event of the meet program, would be unable to run on account of sickness and an injury, the crowd soon waxed warm to the excitement furnished by the events as they were run off in quick succession by the officials.

Three University of Maine records went by the boards, showing that Coach Frank Kanaly's pupils are working hard for track supremacy this Spring in the State meet. Arthur S. Hillman, '26 of Presque Isle, Island Falls, captain of last year's cross country team, led the field in the mile and set up a new mark of 4:25 4-5 which was 3-5 of a second faster than the old time of 4:26 2-5 made by Roger

two mile in 9:58 2-5, well under the former 10:19 3-5 mark of Worth L. Noyes, '29 of Orono and not very much slower than the standing record of 9:54 2-5 which is held jointly by Dick Power, '14, and Frank Preti, '17. Sam Thompson, '28 of Lee tossed the shot 11 feet 3 and 5-8 inches for a new field mark, while E. F. "Rip" Black, '29 of Portland threw the 35-pound weight 46 feet 3 and 1-2 inches to beat his old mark of 44 feet and 9 inches.

SCHOOLBOYS SHOW WELL

The meet was not entirely a battle for honors within the ranks of the university track team, as several interscholastic events were features of the lengthy but nevertheless pleasing program. Charles Major, the colored star from Coburn Classical Institute cleared an even six feet in the high jump and then retired from competition with a badly aching ankle. Major is about the class of all high jumpers in northern New England when he is going right, and his ease and success in clearing the bar until he left the event won him the applause of the crowd.

Bridgton Academy sent a relay team which was a little too fast for the University Freshman quartet and Bridgton won a pretty race, each man running one lap. Jordan High of Lewiston which is able to boast of a good track team due to the coaching of Frank A. "Pat" French, Maine '17, bested Brewer High and E. M. C. S. in a relay race, one lap to the man, the time of the winners being 1:49 1-5. "Nurmi" Folsom of Corinna-Union Academy, a coming track star, and a first-class schoolboy performer had an easy time winning the special interscholastic mile run from Morong of Bridgton, Pinkham of Bridgton and Jordan of Brewer, his time being 4:41 3-5.

The Interfraternity Relay championship of the University was won by Sigma Alpha Epsilon which beat Phi Gamma Delta and Beta Theta Pi, Georgie Cahill, "Ginger" Fraser, W. H. True, Jr., and Captain "Bump" Barrowes of the track team forming the quartet.

The summary and officials:

Relay Race—Brighton Academy beat Maine Freshmen. Time, 2:14 4-5.

100-yard dash Semi-finals won by Donovan and Rounsville. Final by Rounsville Time, 10 2-5 secs.

Freshman interfraternity relay—won by Lambda Chi Alpha; Phi Gamma Delta, 2d; Beta Theta Pi, 3d Time, 1:49 2-5.

One mile run—won by A. S. Hillman, C. C. Stinson, 2d, J. A. McDougall, 3d, C. E. Gero, 4th Time, 4:25 4-5 (new Maine record)

440-yard dash—won by G. A. Cahill, Allen Burnham 2d, B. B. Porter 3d, M. Williams, 4th. Time, 50 2-5 (new Maine record)

Interscholastic relay—won by Jordan High. Brewer High 2d, E. M. C. S. 3d. Time, 1:40 1-5.

660-yard run—won by Henry B. Eaton. F. H. Thompson, 2d, C. G. Cogswell, 3d, Allan Burnham, 4th. Time, 1:24.

100-yard high hurdles—won by W. H. True, Jr. F. E. Chandler 2d, S. C. Hammond 3d Time, 13 secs (new track record)

880-yard run—won by H. O. Trask R. R. Parkman, 2d, K. D. Larsen 3d, L. A. Gonyer, 4th Time, 2:5 1-5

Special interscholastic one mile—won by W. A. Folsom, Corinna Academy, Monond, Bridgton Acad., 2d, Pinkham, Bridgton, 3d, Jordan Brewer, 4th Time, 4:11 3-5 (establishes record)

220-yard dash—won by Rounsville Standish 2d, Chandler, 3d, Donovan 4th Time, 22 4-5 sec.

Interfraternity relay—won by Sigma Alpha Epsilon (Calull), Fraser, True, Barrowes, Phi Gamma Delta (Dyer, Parks, Porter, Williams), 2d, Beta Theta Pi, 3d. Time 1:4 (new track record)

220-yard low hurdles—won by D. W. Torrey. F. B. Chandler 2d, J. P. Moore 3d Time 26 2-5 secs

Broad jump—won by J. C. Caldwell I. T. Dickson 2d, P. A. Beckler, 3d Distance, 20 ft., 11 1/2 inches (new field record)

Putting shot—won by S. A. Thompson T. L. Dickson, 2d, E. F. Black, 3d, E. S. Dickey, 4th Distance 11 3/5 5-8 ft. (new field record)

Pole vault—won by Ray Hobson K. I. Proctor 2d, L. H. Statham and P. A. Beckler, tied for 3d Height 12 ft., 4 inch (new Maine record)

Special high jump—won by Charlie Major, (6 ft.) S. C. Hammond 2d, (5 7/8), G. V. Cuzzo and M. A. Worthley tied for 3d, (5 4)

Throwing 35-pound shot—won by E. F. Black P. D. Lamoreau 2d, T. L. Dickson 3d, O. E. Webb 4th Distance 46 3/4 (new field record)

OFFICIALS

Honorary Referee—Dr. Clarence C. Little, President of the University of Michigan

Referee—William McC. Sawyer, '01.

Judges at Finish—Prof. H. M. Halverson, Prof. Lambert S. Corbett, Robert P. Clark, Coach Stanley Wallace, James A. Gannott, Prof. M. J. Bradshaw

Starter—Prof. J. S. Brooks

Clerk of Course—S. A. Maxwell

Assistant Clerks of Course—R. W. Merrill, G. F. Scribner, and R. Thompson

Timers—Prof. A. L. Grover, Donald F. Snow, Capt. J. L. Ready, Prof. E. R. Hitchner

Judges of Field Events—Major G. B. Glover, Prof. C. C. Janzen, W. E. Trowell, Lieut. R. E. Vermette, A. M. Houghton and P. E. Martin, Prof. E. H. Sprague

Measurers—Frederick S. Youngs, Prof. W. W. Chadbourne, Prof. W. S. Evans, Lieut. R. G. McKee, Prof. Harry D. Watson, P. R. Hussey.

Chief Scorer—Prof. E. H. Pollard

Scorers—G. T. Littlefield, E. L. Chase, Robert Tate

Inspectors—Hosea B. Buck, Percy B. Palmer, Prof. W. W. Wiggins, Prof. H. W. Hall

Grand Marshal—John H. Kidney.

Marshals—Capt. K. W. Barker, Lieutenants Baston, Bischoff, Blothen, Little and Rowe

Custodian of Prizes—Col. F. H. Strickland

Announcer—Harold F. Bamford.

ROUNSVILLE ELECTED TO LEAD 1927 RELAY TEAM

Letter men on the relay team have elected S. H. "Bucky" Rounsville, '27 of Fairhaven, Mass., to succeed Henry "Heine" Eaton as captain of the baton-passers for next year. Rounsville has run two years on the one-mile team as lead-off man, and is well-known as a dash man as well.

Rounsville and "Dan" Torrey will be available as a nucleus for next year's outfit as letter men, Eaton and "Hunky"

Burnham being the other two regulars who must be replaced. Rounsville served as president of his class his Freshman year, was a member of the Sophomore Owls, and belongs to Phi Kappa Sigma Fraternity.

HANSCOMB TO BE CAPTAIN OF 'VARSITY COURT TEAM

William A. "Bill" Hanscom, '27, of Orono, has been elected captain of the 1927 'varsity basket-ball team. Hanscom has played right guard for two years on the varsity five and has been one of the mainstays of the team, being a strong defensive player as well as a good scoring threat.

Hanscom succeeds "Mack" Lake, who has captained the quintet for the past two seasons and who, with Bryant, Olson, and Durrell, will be lost to the team through graduation. He is a member of Alpha Tau Omega Fraternity.

THIRTY-ONE PAIRS OF BROTHERS AND SEVEN PAIRS OF SISTERS AT U. OF M.

Nearly ten per cent. of the registration this year at the University of Maine is made up of brothers and sisters, it is shown by statistics compiled at the registrar's office.

Examination of the personnel cards shows that there are thirty-one pairs of brothers and seven pairs of sisters. There are fifteen pairs of a brother and sister each. There is a group of three brothers, and four groups of three, made up of two brothers and a sister or two sisters and a brother.

There are nine pairs of brothers in the Freshman Class. The largest group is composed of three brothers and a sister.

Dr. Edward Robie Berry Awarded Grasselli Medal

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grade tubing and rod, the control of the operations has been difficult and unsatisfactory.

"We have more recently been able to perfect our processes whereby we can absolutely control the bore and wall thickness of tubing and at the same time have substantially improved the product. Until the past few months our sheet quartz has been largely produced by grinding and polishing slabs sawed from blocks of fused material. In such a process, the losses were of course very great.

"We have quite recently perfected a process of drawing sheet quartz directly from the furnace with little or no loss."

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46 Columbia St., Bangor, Me.

Editorial

We are often times amazed when we read of the success, promotion, or death of some great man of the United States, to find that he "came from Maine," "was born in Maine," or **HE IS A MAINE MAN** "received his early schooling in the red schoolhouse by the cross roads in a quaint Maine village." Often of late, upon the perusal of an obituary of a nationally known financier, business man or politician, we have found that sometime or other, he "was of Maine," our State. And lately, several times we have noticed that the University of Maine was the alma mater of the man who had been honored by his associates in life, or of the man to whom country-wide respect in death had been paid. And so, in this issue of the ALUMNUS, it is with great pleasure that we call the attention of every member of our big alumni family to the recent honor paid to Dr. Edward Robie Berry of the Class of 1904, better known to some of his closer alumni friends as "Finn" Berry. For the fourth time in the history of the American Branch of the Society of Chemical Industry, the Grasselli Medal was awarded last December. Dr. Berry, chemist, inventive genius toiler in the field of research, who is associate director of the Thomson Research Laboratory of the General

Electric Company at Lynn, Mass., received the medal. It is singular and much to be proud of that the spokesman for the society who made the presentation speech was another Maine man, Dr. Allen Rogers of the Class of 1897, who also has received the Grasselli Medal. The medal has been awarded four times by the American Branch, and twice University of Maine graduates have been the recipients. The ALUMNUS extends hearty congratulations to these two sons of Maine, who have brought honor to themselves, the University, and State of Maine which fitted them for the work in which they have shown such aptitude as to receive this recognition from their fellowmen.

Assisting your Alumni Secretary "Bob" Clark, temporarily is John P. Ramsay, Ex-'18 who has been responsible for the editorial policy of the ALUMNUS

BY WAY OF EXPLANATION for the past few numbers and who will assist the alumni office in this capacity for the remainder of the University year. This announcement is made that responsibility may be rightly placed and your Alumni Secretary saved any criticism which might possibly be thrown his way through lack of realizing the facts of the case. The writer is not apologizing but rather is lamenting, even after this brief stewardship, that the ALUMNUS is not the product of more than two or three people. The ALUMNUS is your magazine-paper and should contain your expressions on affairs which might interest fellow alumni, or on affairs of University parentage which interest you. You may know of an honor which has come to a Maine Alumnus or Alumna. If so, write it for the ALUMNUS. You may have constructive criticism to make which would help others more thoughtfully solve a University undergraduate, administrative or alumni problem. If so, write it for the ALUMNUS. Put your thoughts on paper, sign your name, and mail to the Alumni's Secretary's Office, Orono, Maine. Help make the ALUMNUS a better paper and assist your editor, whoever he may be as he struggles through an oftentimes one-man job, in attempting to place in your hands the latest and most interesting information on Maine,—its faculty, students, and alumni.

Much of man's trouble pertains to money. It would seem that the General Alumni Association was almost human for it is experiencing considerable financial trouble.

ALUMNI FINANCES A finance committee of three Alumni is trying to collect Alumni dues this year. The committee has done great work but is a bit discouraged however, for the circular letters have been expensive and so many have disregarded them.

Increased alumni effort caused an increased budget. The increased budget means that more alumni than ever before must pay dues.

If only a few score of alumni could be found able and willing to pay the \$10.00 dues, the year would be decidedly successful from a financial standpoint.

Nearly 1,000 more \$3.00 dues would also put us "over the top." All this means that **your** help is needed.

Commencement, the annual home coming of alumni and former students, and the last exercises of the Senior class as an undergraduate body, is June 11 to 14 this year; with Alumni Day falling on Saturday June 12. To say that every Maine Alumnus, or former student, will be welcome on the Campus, is stating it mildly. It is hoped that a record attendance of Maine men and women will be registered. Details of activities during the four days of Commencement will be announced in a later issue of the ALUMNUS. So just this thought for now—Begin to get ready to start to go—where? To Orono for the 1926 Commencement. When? **June 11 to 14th!**

The Alumni Council has appointed a committee to publish a New Maine Song Book. Its first problem is to study ways and means. Then comes the question of its contents.

The committee will appreciate suggestions as to what old Maine favorites should have a place in the new book. Write your suggestions and mail to the Alumni Office.

MAINE ALUMNA JOINS SMITH COLLEGE FACULTY

Mary Ellen Chase, Maine, '09, daughter of the late Judge Edward E. Chase of Bluehill, and one of the best known Alumnae of the University because of her success as an author, has taken high place as an instructor in colleges and she is leaving the University of Minnesota to go to Smith College. The Minnesota Daily the largest college daily of the University of Minnesota, has the following mention of Miss Chase:

"Miss Mary Ellen Chase, assistant professor of English, has accepted an appointment as associate professor of English literature at Smith College and will leave the University of Minnesota next Fall.

"My associations with both students and faculty have been most pleasant, and my reasons for going to Smith are more personal than professional," Miss Chase declared. "There I shall be near my home and family. Miss Marjorie Nicolson, whom many students now in the University remember, has also been appointed associate professor of English literature at Smith.

"Miss Chase has been a member of the faculty here for eight years, beginning as instructor in 1918. Her home is at Bluehill, Maine. After graduating from the University of Maine in 1909, she taught in private and high schools before coming to Minnesota for her master's work in 1917.

"In 1922, Miss Chase obtained her Ph. D. degree in 19th century prose. Since then she has been assistant professor of English.

"Besides having written essays and short stories, Miss Chase is the author of several books. Mary Christmas, the story of an old Armenian peddler who used to go about the coast of Maine in the author's childhood, was scheduled for publication by the Atlantic Press April 10.

"Miss Chase is a member of the faculty advisory board of the Minnesota Quarterly, and had a great deal to do with starting the magazine."

SECURITY SALESMAN BANGOR AND VICINITY

A New York Company is desirous of securing a young man to represent them in the sale of securities in Bangor and vicinity. An experienced man is preferred but they would be glad to consider an inexperienced man of the right character. Their offerings are confined to Bonds of Public Utility Companies, Water Companies and First Mortgage and Real Estate Bonds. They do not handle Stocks. If interested write Clifford L. Russell, 710 Fidelity Trust Building, Portland, Maine.

A MAINE MAN CARRIES ON! SLOCUM OUT FOR SENATE



Paul Slocum '15

Most men returning from the World War and obliged to wear a steel harness night and day because of spinal injuries, wounds, etc., would be content to seek a comfortable porch chair and let the other fellow carry on.

But Paul Slocum, '15, is made of sterner stuff. Ever since he arrived home, he has tried to find some useful occupation which his physique would permit him to follow. Now, he has thrown his hat in the political ring and is out for a State senatorship from Cumberland County.

Here is a fine example of the "old Maine fight" we hear so much about, and here is a Maine man who is trying to do everything possible to be of service to his country, his State and his alma mater.

1916 THIS WAY!

To the Class of 1916:—

In a recent issue of the ALUMNUS, I hope you noticed that your secretary is still alive after spending seven years packed away in the foot hills of the White Mountains. On various occasions he has managed to wander out into civilization and travel as far as Orono, Me., but during these short sojourns he has never met the people he used to know when he was studying (? ? ?) and plugging away (! ! ?) at college. Once in a while he would run across one or two members of the class of 1916 and this always made him feel that the trip was worth the trouble after all.

But this year, he happens to think that he has been out of college ten years and never spent a day in jail. He hasn't made his fortune neither has he been living in the poor farm. After he found out that his first thought didn't shock his brain, he tried another attempt and wrote a letter which was published in the ALUMNUS, to see if any of his classmates ever did any thinking.

Your Secretary read this letter and said to himself, "Now I ought to hear from some of the boys and I'll soon know who is coming back for the Reunion this year and find out what they want to do for excitement." Did he hear from anybody? Yes! one classmate wrote him a letter asking for the dates of Commencement, and Mike Driscoll said he would look up Roger Bell and stir up something around Boston. So far, that is the extent of work done to date.

Oh yes, then the secretary got a letter from Bob Clark,—you know Bob who was a sophomore when you were freshmen. Well Bob he wanted to know what the Class of 1916 was planning to do for its Reunion—so would your secretary.

Your secretary is beginning to think that all of the death notices haven't been published in past issues of the ALUMNUS and if he doesn't hear from any more members of the Class of 1916 between now and June, when he plans to go back, he will have to report to Dean Hart "Class of 1916 all dead except M. C. Driscoll, H. H. Towle and myself. Three living members all present, 100% attendance, give us that cup that the Class of 1882 has been winning every year."

Now what you ought to do if you are still able, is to write to your class secretary and let him know whether or not you plan to be present for your class reunion June 11th to 14th.

He cannot move a muscle until he knows what the class intends to do, so don't let him become paralyzed.

Address—
133 Clark St.
Berlin, N. H.

(Signed)

"IKE" WEBBER,
Secretary Class of 1916.

BIDS ASKED FOR WING NEW MECHANICAL BUILDING

Notice has been published that sealed proposals will be received until Wednesday, April 14, 1926 at twelve o'clock noon for construction of a wing of the new mechanical engineering building for the University of Maine. Plans and specifications may be obtained from the office of Strickland, Blodgett & Law, Architects, 20 Newbury Street, Boston, Mass. All proposals shall be delivered to the President of the Board of Trustees, 86 Exchange Street, Bangor, Maine. A certified check in an amount equal to 2 % of the amount of the bid shall accompany each proposal submitted and a bond equal to 50% of the amount of the contract will be required of each contractor to whom work is awarded. The right has been reserved to reject any or all proposals received. The notice is signed by F. H. Strickland, President of the Board of Trustees.

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Alumni Personals

WEDDINGS

Ex'17—Dr. Edward A. Phillips and Marion D. Rose, recently at Cleveland, Ohio. Dr. and Mrs. Phillips are residing at 102 North Front St., Milton, Pa.

'18—Frederick B. Haines and Helen Doncaster, December 25, at Los Angeles, Cal. Mr. and Mrs. Haines are residing at 297 Hillside St., Ashville, North Carolina.

Ex'19-Ex'16—Horace E. Stratton and Doris Woodbury were married January 23 at Brewer. Mr. Stratton is with the Charles Hayward Company of Bangor. Mr. and Mrs. Woodbury are residing at 328 North Main St., Brewer, Maine.

'25—Norris C. Clements and Mary McNeil were married February 28 at Milford, Maine. Mr. and Mrs. Clements are residing at Winterport, Maine.

BIRTHS

'11—A son, George Lester, to Mr. and Mrs. George I. Lord, January 30, 1926 at Belle Rive, Illinois.

'12—A son, Gordon Carey, to Mr. and Mrs. Benjamin E. Haskell, October 28, 1925 at Portland, Maine.

'15-'16—A son, February 14, 1926, to Mr. and Mrs. Walter Dolan at Orono, Maine.

'17—A daughter, Helen Martha, to Mr. and Mrs. Warren B. Beckler, Jr., February 4, 1926 at La Tuque, Quebec. Weight, 9 lbs.

Ex'20—A daughter, Lucille Celester, to Mr. and Mrs. Charles M. Treat, recently, at Bangor. Mrs. Treat was formerly Lillian Budway of Orono.

Ex'24—A daughter, Grace Evelyn, to Mr. and Mrs. Stuart McGlinchey, recently, at Milford, Maine.

DEATHS

'88—Frank I. Small died recently at his home in Seattle, Washington.

Ex'02—James M. Green died February 9, 1916 at Lankershire, Cal.

'16—Mrs. Walter Dolan died March 6, 1926 at her home in Orono after a few days illness. Mrs. Dolan was formerly Minnie Park of Orono.

Ex'24—Maurice A. Rich died June 25, 1924 at Portland.

BY CLASSES

'75—Charles F. Colesworthy is located at 1610 Orange Grove Ave., Hollywood, Cal.

'78—Otis Webster has retired from active business and is at his home in Augusta.

Ex'88—Edwin B. Lord may be addressed at 1 Newark Ave., Jersey City, New Jersey.

Ex'90—Charles A. Dillingham is now residing at 108 Harding Court, Monrovia, Cal.

'93—George A. Whitney is a grower of Dutch Bulbs and Ornamental Nursery Stock at The Evergreens, Chester, New Jersey. Mr. Whitney is also a Landscape Gardener.

Ex'98—Lee M. Watson is a teacher of Manual Training and Drawing at the Oak Park and River Forest Township High School, Oak Park, Ill. Mr. Watson resides at 310 Thatcher Ave., River Forest, Ill.

Ex'99—Guy H. Soule is manager of the real estate firm of Soule & Kilby at Freeport, Maine.

'00—Clarence W. Stowell is with the Fox Furnace Company at Elyria, Ohio. Mr. Stowell is residing at 132 East Bridge St., Elyria, Ohio.

'00—Benjamin T. Weston is construction engineer with the Charles B. Hawley Company of Washington, D. C. Mr. Weston is located at Avon Park, Florida.

'04—Albert D. Case is with the Connecticut General Life Insurance Company, and is located at 1401 North American Building, Philadelphia, Pa.

'04—Charles H. Sampson has been appointed headmaster of the Huntington School for Boys at 312 Huntington Ave., Boston, Mass. Since his graduation from the University of Maine, Mr. Sampson has done considerable graduate work at Boston University and at Harvard. He is a member of the Massachusetts Schoolmasters' Club, the National Education Association, and the Provate School Association.

Ex'04—Robert C. Baker is with the T. J. Lawrence Real Estate Company at 701 West Sixth St., Los Angeles, Cal.

'05—Arthur C. Whittier is now residing at Farmington.

'06—Gotthard W. Carlson is with the New England Tel. & Tel. Company at 40 Broad St., Boston, Mass.

'06—Prof. Joseph S. Galland is Acting Head of the Department of Romance Languages at Northwestern University, Evanston, Ill.

Ex'06—Bernard E. Robertson owns an accessory store at 404 Main St., Cumberland Mills.

'07—James P. V. Fagan is at present with the Crown Williamette Mills, Camas, Washington.

'07—Franklin Holbrook is a surveyor with the Illinois Coal Company, Nason, Illinois.

Ex'07—Bertrand C. Larrabee is now located at 107 Belmont St., Belmont, Mass.

'08—Ben B. Fogler is now residing at Skowhegan.

'08—George J. Hopkins is with Pratt and Whitney of Hartford, Conn. Mr. Hopkins is residing at 40 Capitol Ave., Hartford.

Ex'08—Frederick W. Files may be addressed at 74 Davis St., Brookline, Mass.

'09—Roy E. Mann is a salesman for the American Druggist Syndicate of Long Island City, New York. Mr. Mann may be addressed at 52 Melbourne St., Portland, Maine.

Ex'09—Harold E. Godfrey is Vice President of the L. A. Stinson Company engineers and contractors at Room 931, 332 La Salle St., Chicago, Ill.

'10—Lester M. Bragg is with Tela Railroad Company at Tela, Honduras, Central America.

'10—Frederick W. Conologue is located at 4290 High St., Oakland, Cal.

'10—Frank E. Merriam is receiving his mail at 38 Locust St., Danvers, Mass.

Ex'10—Daniel F. Knowlton is located at 22 Eighteenth St., Lowell, Mass.

Ex'10—Ralph R. Minott may be addressed at 90 Verona St., Lynn, Mass.

'11—Earle O. Whittier is residing at 3715 S. Street, Washington, D. C.

Ex'11—Thomas S. Spear is a machinist for the Florida Phosphate Mining Corp. at Route No. 3, Box 178, Bartow, Florida.

'12—Walter E. Perkins is now located at 18 Creighton Ave., Crafton, Pa.

'12—Wilfred A. Waterman is with Winslow Bros. & Smith of Norwood, Mass. and he is residing at Hillcrest Farm, Westwood, Mass.

Ex'12—Arthur A. Hammond has changed his address to 211 President's Lane, Quincy, Mass.

Ex'12—George A. Martin is with the Travelers Insurance Company of New York at 55 John St., New York City.

Ex'12—Robert C. H. Reid may be addressed at 30 Baker St., Lynn, Mass.

'13—Arthur H. Cannon is with the Montaup Electric Company at South Somerset, Mass.

Ex'13—Gilbert G. Sanborn is addressed at Box 488 Kelsey City, Florida.

Ex'13—Miss G. W. Stephens (Springer) resides at 18 Prospect Ave., Rumford. At present Mrs. Stephens is visiting in Florida and may be addressed at 339 Main St., Sarasota, Florida.

Ex'13—Morrill S. Pope is a lumber inspector with the Pacific Lumber Inspection Bureau and is located at 1105 James St., Seattle, Washington.

'14—Ralph T. Coffey, is located at 14 Beacon St., Boston, Mass.

'14—Fernando T. Norcross may be addressed at 4420 Hawthorne St., Washington, D. C.

'14—Philip W. Thomas is now connected with the Oxford Paper Company at Rumford, Maine.

Ex'14—Chester A. Maddocks is Principal of the Linden High School 29 Wyoming Ave., Malden, Mass.

'15—Paul F. Slocum of Standish has announced his candidacy for the Republican nomination for State Senator. Mr. Slocum is at present with the State Department at Augusta, having charge of inspection of aircraft and licensing of pilots.

Ex'15—Bernard E. Farr is a Counsellor at Law at 944 Little Building, Boston, Mass. Mr. Farr is practising law along the special line of Probate, Trusts and care of Estates. He resides at 2 Riverside Ave., Haverhill, Mass.

'16—Omar K. Edes is a public accountant with Patterson, Terle & Dennis at 1 Federal St., Boston, Mass. Mr. Edes resides at 509 Audubon Road, Boston, Mass.

'16—Charles H. Folsom is engaged in highway engineering for the Maine State Highway Commission. He may be addressed at 67 Green St., Augusta, Maine.

'16—Harry E. Stone is now located at 190 Divinity St., Bristol, Conn.

Ex'16—Guy L. Boynton is having his mail received at 43 Taft Ave., West Newton, Mass.

Ex'16—Joseph L. Clarke is practicing law at 138 Main St., Waterville.

Ex'16—John T. Leacock is Assistant Superintendent of the Agawam Paper Company of Mittenague, Mass. Mr. Leacock resides at 27 Lathrop St., West Springfield, Mass.

Ex'16—Blinn Martin may be addressed at 16 Park Hill Ave., Stamford, Conn.

'17—Royce D. McAlister is an agent for the Connecticut State Board of Education at New Milford, Conn.

'17—Mayland H. Morse has recently been appointed Assistant Attorney-General of the State of New Hampshire and may be addressed at the State House, Concord, N. H.

'17—Raymond B. Steward is Superintendent of Schools of Kingfield, New Portland, Lexington and Highland. Mr. Steward is located at Kingfield.

'17—Roy A. Wentzel is with the San Paula Transway Light & Power Company of San Paula, Brazil.

Ex'17—Benjamin H. Gribbin is an Accountant for the Oxford Paper Company at 200 Fifth Ave., New York City. Mr. Gribbin is residing at 302 Central Park West, New York City, N. Y.

Ex'17—Richard T. Lyons may be addressed at Ricker & Dobson Building, San Angelo, Texas.

Ex'17—William H. Rodden is at 103 Heminway St., Boston, Mass.

Ex'17—Frederick T. Sargent is having his mail addressed care of Herbert G. Papes, Coral Gables, 156 East Flagler St., Miami, Florida.

Ex'17—Dorothy Wells is teaching Home Economics at the Natick High School, Natick, Mass.

'18—Carlton L. Perkins is Forest Supervisor of the Monongahela National Forest for the United States Forest Service at Elkins, West Virginia.

Ex'18—Philip W. Blake is a Physician at 102 Main St., Andover, Mass.

Ex'18—Carl F. Brugge is a sales engineer for the Lincoln & Lane Co. at 30 Bayley St., Pawtucket, Rhode Island. Mr. Brugge may be addressed at 537 Fruit Hill Ave., North Station, Providence, R. I.

Ex'18—Mae F. Caine is a teacher of French in the High School and is located at 8 West 93d St., New York, N. Y.

Ex'18—Lauriston F. Carter is Structural Steel Draftsman with McClintic Marshall Construction Company at 227 Fulton St., New York, N. Y. and may be addressed at 118 Linden Ave., Bloomfield, N. J.

Ex'18—Sigfried A. Dahlgren is having his mail received at 743 East Penn St., Philadelphia, Pa.

Ex'18—William F. Guinan is employed by Hampton Company as engineer at 186 South St., Northampton, Mass.

Ex'18—George C. Newell is at present at his home at Turner.

Look Over Your Job

This is the time of year to add up. The promotions have been made for this year. The winter's work has told you something about yourself in relation to the business you are in.

Remove your own wishes and look at it coldly. Are you actually satisfied in your mind? Would you like more freedom of action? Would you like your income to answer more nearly to your present efforts?

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Ex'18—Mrs. George Pringle (Curtis) is now located at Fort Davis, Panama, Canal Zone.

'19—Mr. and Mrs. Frederick E. Baldwin are residing at Sutton, Mass., where Mr. Baldwin is High School principal.

'19—Earl G. Boyd is Instructor of Industrial Science in the Fitchburg High School and is located at 28 Grant St., Fitchburg, Mass.

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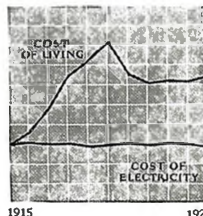
The years of a mother's strongest influence are only seven. By the time a child begins to read and write many of his dominant characteristics are formed.

It is a great thing for the future of a nation to provide mothers with more leisure during these few vital years.

Electricity can help. A family's washing which used to consume a mother's whole day can now be

done with a G-E motor at a cost of 2½ cts. an hour. A home can now be swept electrically at a cost of 1¼ cts. an hour.

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