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MASSACHUSETTS INSTITUTE OF TECHNOLOGY.

Society of Arts.

OFFICERS, 1900-1901.

President of the Institute.

HENRY S. PRITCHETT.

Secretary of the Society of Arts.

GEORGE V. WENDELL.

Executive Committee.

GEORGE W. BLODGETT, *Chairman.*

EDMUND H. HEWINS. DESMOND FITZGERALD.

JAMES P. MUNROE. CHARLES T. MAIN.

THE PRESIDENT. THE SECRETARY.

Board of Publication.

WILLIAM T. SEDGWICK, *Chairman.*

CHARLES R. CROSS. A. LAWRENCE ROTCH.

DWIGHT PORTER. ROBERT P. BIGELOW.

Editor of the Technology Quarterly.

ROBERT P. BIGELOW.

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BY-LAWS.

OBJECTS OF THE SOCIETY.

THE objects of the Society are to awaken and maintain an active interest in the practical sciences, and to aid generally in their advancement and development in connection with arts, agriculture, manufactures, and commerce.

The Society invites all who have any valuable knowledge of this kind which they are willing to contribute to attend its meetings and become members. Persons having valuable inventions or discoveries which they wish to explain will find a suitable occasion in the Society meetings, subject to regulations hereafter provided; and while the Society will never indorse, by vote or diploma or other official recognition, any invention, discovery, theory, or machine, it will give every facility to those who wish to discuss the principles and intentions of their own machines or inventions, and will endeavor at its meetings, or through properly constituted committees, to show how far any communications made to it are likely to prove of real service to the community.

SECTION I. — ADMINISTRATION.

The immediate management and control of the affairs of the Society of Arts shall be exercised by an Executive Committee, consisting of the President of the Institute and the Secretary of the Society (who shall be members *ex officio*), and five other members, who shall be elected by the Society of Arts at each annual meeting, to continue in office until other persons have been chosen in their place.

SECT. II. — DUTIES OF THE EXECUTIVE COMMITTEE.

The Executive Committee shall elect its chairman, prescribe his duties, and, with the concurrence of the Treasurer of the Institute, fix his compensation when the interests of the Society require that

he should be paid for his services ; they may invite any person to preside at any ordinary meeting who is well versed in the subjects to be discussed ; they shall appoint the days and times of meeting, when not fixed by the Society, and determine the subjects to be considered at the meetings and the mode of conducting the discussions ; they may, with the concurrence of the President of the Institute, make such arrangements for reporting and publishing the proceedings of the Society as they may deem best suited to advance its interests ; they may receive moneys in behalf of the Society in aid of its objects, by subscription, donation, or bequest ; they shall make a report of their doings to the Society at its annual meeting and at such other times as a report may be called for by a majority of the members present at any meeting ; they shall also make a report of their doings to the President of the Institute prior to the annual meeting, and at such other times as the Corporation may require it. Three members shall constitute a quorum for the transaction of business.

SECT. III. — DUTIES OF THE PRESIDENT AND SECRETARY.

1. It shall be the duty of the President of the Institute to preside at the annual and the special meetings of the Society, and also at its ordinary meetings when the Executive Committee does not invite a special chairman to preside.

2. It shall be the duty of the Secretary of the Society to give notice of and attend all meetings of the Society and of the Executive Committee ; to keep a record of the business and orders of each meeting, and read the same at the next meeting ; to keep a list of the members of the Society, and notify them of their election and of their appointment on committees ; and generally to devote his best efforts, under the direction of the Executive Committee, to forwarding the business and advancing the interests of the Society. He shall also record the names of the Executive Committee attending each meeting.

SECT. IV. — FUNDS OF THE SOCIETY.

All the fees and assessments of members, and all moneys received by subscription, donation, or otherwise, in aid of the Society, shall be paid into the treasury of the Corporation, to be held and used for the objects of the Society under the direction of the Executive Commit-

tee, and shall be subject to the order of its Chairman, countersigned by the President of the Corporation.

SECT. V. — MEETINGS OF THE SOCIETY.

1. The annual meeting of the Society shall be held at the Institute on the second Thursday in May. The ordinary meetings shall be held semi-monthly, or whenever deemed expedient by the Society or by the Executive Committee, excepting in the months of June, July, August, and September.

2. If from any cause the annual meeting shall not have been duly notified or held as above required, the same shall be notified and held at such time as the Executive Committee may direct.

3. A special meeting of the Society may at any time be called by the Secretary on a written request of ten members. Twelve members of the Society shall constitute a quorum for the transaction of business.

SECT. VI. — MEMBERS AND THEIR ELECTION.

1. Members of the Society of Arts shall be of three kinds — Associate, Corresponding, and Honorary Members.

2. Candidates for Associate Membership shall be recommended by not less than two members, whose signatures shall be affixed to a written or printed form to that effect. Each nomination shall be referred to the Executive Committee, and when reported favorably upon by them, and read by the Secretary, may be acted upon at the same meeting; the election shall be conducted by ballot, and affirmative votes to the number of three fourths of the votes cast shall be necessary for an election.

3. Corresponding and Honorary Members may be elected in the same way, on nomination by the Executive Committee.

4. Associate Members shall pay an admission fee of three dollars before being entitled to the privileges of membership, and an annual assessment of three dollars on the first of October of each year, this sum to include subscription to the *Technology Quarterly and Proceedings of the Society of Arts*.

An Associate Member who shall have paid at any one time the sum of fifty dollars, or annual assessments for twenty years, shall become a member for life, and be thereafter exempted from annual assessments.

A member neglecting to pay his annual assessment for six months after being notified that the same is due shall be regarded as having withdrawn his membership, unless otherwise decided by the Executive Committee, which shall be authorized, for cause shown, to remit the assessments for any one year; and which shall moreover be empowered to exempt particular members from assessments whenever their claims and the interests of the Society make it proper to do so.

SECT. VII. — ELECTION OF THE EXECUTIVE COMMITTEE AND OF THE SECRETARY.

1. At an ordinary meeting of the Society, preceding the annual meeting, a nominating committee of *five* shall be chosen, whose duty it shall be to nominate candidates for the Executive Committee, to post a list of the names selected in the office of the Secretary, and to furnish printed copies thereof to the members at or before the time of election.

2. At a meeting at which an election is to take place the presiding officer shall appoint a committee to collect and count the votes and report the names and the number of votes for each candidate, whereupon he shall announce the same to the meeting.

3. A majority of the votes cast shall be necessary to an election.

4. In the first organization under these By-Laws, the Executive Committee may be elected at an ordinary or special meeting.

5. Vacancies in the committee occurring during the year may be filled by the Society at an ordinary meeting.

6. The Secretary shall be elected by the Society, on nomination by the Executive Committee, at each annual meeting of the Society, or, in case of a vacancy during the session, at such other time as the Executive Committee may appoint; and he shall be reëligible in the same way at the pleasure of the Society.

7. The compensation of the Secretary shall be fixed from year to year by the Executive Committee with the concurrence of the Treasurer of the Institute.

SECT. VIII. — COMMITTEES OF ARTS.

1. The Members of the Society of Arts may be enrolled in divisions, under the following heads, according to the taste or preference of

the individual ; each division to constitute a committee upon the subjects to which it appertains :

(1) On Mineral Materials, Mining, and the Manufacture of Iron, Copper, and other Metals.

(2) On Organic Materials — their culture and preparation.

(3) On Tools and Implements.

(4) On Machinery and Motive Powers.

(5) On Textile Manufactures.

(6) On Manufactures of Wood, Leather, Paper, India Rubber, and Gutta Percha.

(7) On Pottery, Glass, Jewelry, and works in the Precious Metals.

(8) On Chemical Products and Processes.

(9) On Household Economy ; including Warming, Illumination, Water-Supply, Drainage, Ventilation, and the Preparation and Preservation of Food.

(10) On Engineering, Architecture, and Ship-building.

(11) On Commerce, Marine Navigation, and Inland Transportation.

(12) On Agriculture and Rural Affairs.

(13) On the Graphic and Fine Arts.

(14) On Ordnance, Firearms, and Military Equipments.

(15) On Physical Apparatus.

2. Any member may belong to more than one of the above-named Committees of Arts, but shall not at the same time be eligible as chairman in more than one.

3. It shall be competent for each Committee of Arts, of ten or more members entitled to vote, to organize ; to elect annually in October, or whenever a vacancy shall occur, a chairman ; to appoint its own meetings ; and to frame its own By-Laws, provided the same do not conflict with the regulations of the Society of Arts.

SECT. IX. — AMENDMENT AND REPEAL.

1. These By-Laws may be amended or repealed, or other provisions added, by a vote of three fourths of the members present at any regular meeting of the Society ; provided that such changes shall have been recommended and approved in accordance with the By-Laws of the Corporation (see extract from By-Laws of Corporation as

printed below) and presented in writing at a preceding meeting of the Society.

2. These By-Laws shall take effect immediately after their approval by the Corporation and adoption by the Society, and all previous By-Laws are hereby repealed.

As amended December 9, 1897.

EXTRACT FROM THE BY-LAWS OF THE CORPORATION.

SECT. VI. — There shall be a Committee on the Society of Arts consisting of five members, appointed at the annual meeting of the Corporation, to hold office for one year, who shall have the general charge and supervision of the organization and proceedings of the Society, subject to the approval of the Corporation. It shall be their duty, in connection with a committee chosen by the Society, to frame By-Laws for the government of the Society, which shall take effect when adopted by the Society and approved by the Corporation.

February, 1894.

LIST OF MEMBERS.

DECEMBER, 1900.

Members are requested to inform the Secretary of any change of address.

LIFE MEMBERS.

Addicks, J. Edward . . . 903 Harrison Building, Philadelphia, Pa.
Atkinson, Edward 31 Milk Street, Boston, Mass.

Beal, James H. 104 Beacon Street, Boston, Mass.
Bowditch, William I. 28 State Street, Boston, Mass.
Breed, Francis W. Lynn, Mass.

Dalton, Charles H. . . 33 Commonwealth Avenue, Boston, Mass.
Dewson, F. A. 53 State Street, Boston, Mass.

Eastman, Ambrose 53 State Street, Boston, Mass.
Endicott, William 32 Beacon Street, Boston, Mass.

Foster, John 25 Marlborough Street, Boston, Mass.

Griffin, Eugene
Guild, Henry 433 Washington Street, Boston, Mass.

Haven, Franklin 97 Mount Vernon Street, Boston, Mass.
Henck, J. B. Montecito, Santa Barbara Co., Cal.
Hewins, Edmund H. 625 Tremont Street, Boston, Mass.

Jackson, William 50 City Hall, Boston, Mass.

Little, James L. Goddard Avenue, Brookline, Mass.
Little, John M. Hotel Pelham, Boston, Mass.
Lowe, N. M. 88 Court Street, Boston, Mass.

- Allen, Samuel E. 67 Chauncy Street, Boston, Mass.
Allen, Walter S. 34 South 6th Street, New Bedford, Mass.
Allen, William Henry 291 Commonwealth Avenue, Boston, Mass.
Andrews, Clement W. John Crerar Library, Chicago, Ill.
Appleton, Charles B. 207 Aspinwall Avenue, Brookline, Mass.
Armstrong, O. S. Riverside Press, Cambridge, Mass.
Atwood, Frank W. 98 Commercial Street, Boston, Mass.
- Baker, C. F. 439 Albany Street, Boston, Mass.
Baker, J. B. 602 Centre Street, Newton, Mass.
Bardwell, F. L. Mass. Institute of Technology, Boston, Mass.
Barnes, Herbert H. Hotel Brunswick, Boston, Mass.
Barstow, George E. 7 Locust Street, Lynn, Mass.
Bartlett, Dana P. Mass. Institute of Technology, Boston, Mass.
Bartlett, Spaulding Webster, Mass.
Barton, George H. Mass. Institute of Technology, Boston, Mass.
Barton, Howard R. Englewood, N. J.
Bassett, William H. New Bedford, Mass.
Batcheller, Robert 55 Commonwealth Avenue, Boston, Mass.
Beasom, C. B. 248 Tremont Street, Newton, Mass.
Bemis, A. F. 89 State Street, Boston, Mass.
Bigelow, Charles H. Salem, Mass.
Bigelow, Otis Avenel, Montgomery Co., Maryland.
Bigelow, Robert P. Mass. Institute of Technology, Boston, Mass.
Binney, Amos Room 416, 53 State Street, Boston, Mass.
Birkholz, Hans Care E. P. Allis Co., Milwaukee, Wis.
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Blackmer, Adelaide Sherman 31 Devon Street, Roxbury, Mass.
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Blood, Grosvenor T. 125 Milk Street, Boston, Mass.
Blood, John Balch 22-A Equitable Building, Boston, Mass.
Blood, William H. 4 Post-Office Square, Boston, Mass.
Boyer, Francis H. Hill Building, Somerville, Mass.
Brackett, Dexter 3 Mount Vernon Street, Boston, Mass.
Bradlee, Arthur T. Chestnut Hill, Mass.
Bralley, Samuel T. Rutland, Vt.
Breed, Louis B. 1215 Wood Street, Wilkinsburg, Pa.
Brophy, William 17 Egleston Street, Jamaica Plain, Mass.
Bryden, George W. N. E. Structural Co., East Everett, Mass.

- Burns, Peter S. . . . Mass. Institute of Technology, Boston, Mass.
 Burton, A. E. . . . Mass. Institute of Technology, Boston, Mass.
 Burton, Frank H. Army Building, Whitehall Street, New York, N. Y.
- Caldwell, Eliot L. 3 Head Place, Boston, Mass.
 Cameron, J. A. Forge Village, Mass.
 Carson, Howard A. 20 Beacon Street, Boston, Mass.
 Carter, Henry H. Hotel Ludlow, Boston, Mass.
 Carty, J. J. 18 Cortlandt Street, New York, N. Y.
 Chandler, F. W. . . . Mass. Institute of Technology, Boston, Mass.
 Chase, Charles H. Stoneham, Mass.
 Chase, F. D. Elizabeth, N. J.
 Clare, James P. Quincy, Mass.
 Clark, John M. 47 Court Street, Boston, Mass.
 Clifford, H. E. . . . Mass. Institute of Technology, Boston, Mass.
 Coburn, Howard D. 143 Appleton Street, Boston, Mass.
 Codman, J. S. 31 Milk Street, Boston, Mass.
 Cody, Lewis P. . . . 9 South Division Street, Grand Rapids, Mich.
 Coffin, C. A. General Electric Co., Boston, Mass.
 Coffin, F. S. 433 Walnut Street, Brookline, Mass.
 Collins, R. B. 36 Weld Hill Street, Forest Hills, Mass.
 Cooke, J. W. 3 Head Place, Boston, Mass.
 Crafts, James M. . . . Mass. Institute of Technology, Boston, Mass.
 Craig, J. Holly 69 Broad Street, Boston, Mass.
 Crosby, William O. . . Mass. Institute of Technology, Boston, Mass.
 Crosby, William W. . . . Lowell Textile School, Lowell, Mass.
 Cross, C. R. Mass. Institute of Technology, Boston, Mass.
 Curtis, Henry P. Hotel Touraine, Boston, Mass.
 Curtis, Thomas P. . . . Lord Electric Co., Boston, Mass.
 Cutter, Louis F. Winchester, Mass.
- Dana, Gorham 41 Allerton Street, Brookline, Mass.
 Dates, Henry B. . . . Clarkson School of Technology, Potsdam, N. Y.
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 DeLancey, Darragh Rochester, N. Y.
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 DeWolf, John O. . . . 579 Massachusetts Avenue, Cambridge, Mass.

- Gilley, Frank M. 100 Clark Avenue, Chelsea, Mass.
 Goodell, George H. Care of N. P. Ry. Co., St. Paul, Minn.
 Goodspeed, Joseph H. 279 Newbury Street, Boston, Mass.
 Goodwin, H. M. Mass. Institute of Technology, Boston, Mass.
 Goodwin, Richard D. 28 Summer Street, Boston, Mass.
 Gray, Joseph P. 31 Milk Street, Boston, Mass.
 Greenleaf, Lewis S., Care Hudson River Telephone Co., Albany, N. Y.
 Grover, Nathan C. Maine State College, Orono, Me.
- Hadaway, William S. 107 Liberty Street, New York, N. Y.
 Hadley, F. W. Arlington Heights, Mass.
 Hale, Richard A. Lawrence, Mass.
 Hall, William T.; Care Dr. Walker, Mass. Institute of Technology,
 Boston, Mass.
- Hamblet, George W. 506 Lowell Street, Lawrence, Mass.
 Hamilton, George Wyman 28 Court Square, Boston, Mass.
 Hamlin, George H. Maine State College, Orono, Me.
 Hardy, W. B. Care Diamond Rubber Co., Akron, Ohio.
 Harrington, E. M. Ætna, Lake Co., Ind.
 Harrington, Francis 112 Pinckney Street, Boston, Mass.
 Harris, William A. Exchange, Liverpool, England.
 Hart, Francis R. Milton, Mass.
 Hawkes, Levi G. Saugus, Mass.
 Hawkins, Edgar M. 324 Pine Street, Steelton, Pa.
 Hayes, Hammond V. 42 Farnsworth Street, South Boston, Mass.
 Hazen, Allen 220 Broadway, New York, N. Y.
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 Hicks, C. Atherton Needham, Mass.
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 Hobart, John D. Malden, Mass.
 Hobbs, Franklin W. Brookline, Mass.
 Hodgdon, Frank W. Arlington, Mass.
 Hofman, H. O. Mass. Institute of Technology, Boston, Mass.
 Hollingsworth, A. L. 35 Federal Street, Boston, Mass.
 Hollis, Frederick S. Medical Department, Yale University,
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 Holtzer, Charles W. Brookline, Mass.

- Hood, George H. 9 Otis Street, Boston, Mass.
 Hopkins, Arthur T. Long Island, Boston, Mass.
 Hopkins, Prescott A. Drexel Institute, Philadelphia, Pa.
 Hopkins, William J. Drexel Institute, Philadelphia, Pa.
 Horton, Theodore 17 Everett Street, Melrose, Mass.
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 Howard, L. Frederic Rumford Falls, Maine.
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 Hunt, Harry H. Tampa Electric Co., Tampa, Fla.
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- Jackson, Daniel D. Mt. Prospect Laboratory, Flatbush Avenue,
 and Eastern Parkway, Brooklyn, N. Y.
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 James, Frank M. General Electric Co., Lynn, Mass.
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 Melliush, James George Eagle Block, Bloomington, Ill.
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 Miller, Edward F. . . . Mass. Institute of Technology, Boston, Mass.
 Miller, Franklin T. Auburndale, Mass.
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 Moody, Burdett Homestake Mining Co., Lead, South Dakota.
 Moody, Frederick C. . . . Care Bell Telephone Co., Philadelphia, Pa.
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 Moore, Fred F. South Framingham, Mass.
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 Mosman, Philip A. Colorado Smelting Co., Pueblo, Col.
 Mumford, Edgar H. The Tabor Mfg. Co., Elizabeth, N. J.
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- Newbegin, Parker C. . . Patten & Sherman Railroad Co., Patten, Me.
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- Paine, Sidney B. Newton Centre, Mass.
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 Perry, J. C. Clinton, Mass.
 Pickert, Leo W. . . American Sugar Refining Co., Boston, Mass.
 Piper, Walter E. . . . Boston Rubber Shoe Co., Fells, Mass.
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 Porter, Dwight . . . Mass. Institute of Technology, Boston, Mass.
 Prescott, Samuel C. . Mass. Institute of Technology, Boston, Mass.
 Puffer, W. L. . . . Mass. Institute of Technology, Boston, Mass.
- Read, Carleton A., N. H. College of Agriculture and Mechanic Arts,
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 Richards, Ellen H. . Mass. Institute of Technology, Boston, Mass.
 Richards, R. H. . . Mass. Institute of Technology, Boston, Mass.
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 Rollins, William Herbert . 250 Marlborough Street, Boston, Mass.
 Rotch, A. Lawrence 53 State Street, Boston, Mass.

- Rowell, Henry K. Columbus Avenue, Waltham, Mass.
- Royce, Frederick P. Medford, Mass.
- Royce, H. A. Medford, Mass.
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- Sanborn, Frank E. Ohio State University, Columbus, Ohio.
- Sando, Will J. Rochelle Park, New Rochelle, N. Y.
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- Sawyer, Alfred H. 237 West Newton Street, Boston, Mass.
- Sawyer, Joseph 31 Commonwealth Avenue, Boston, Mass.
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- Sedgwick, W. T. Mass. Institute of Technology, Boston, Mass.
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- Smith, John W. Mass. Institute of Technology, Boston, Mass.
- Smith, W. L. Mass. Institute of Technology, Boston, Mass.
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- Stone, Joseph 53 State Street, Boston, Mass.
- Sully, John M. Chickamauga Coal & Iron Co., Chickamauga, Ga.
- Swain, George F. Mass. Institute of Technology, Boston, Mass.
- Sweet, H. N. 449 Washington Street, Bridgeport, Conn.
- Talbot, Henry P. Mass. Institute of Technology, Boston, Mass.
- Talbot, Marion University of Chicago, Chicago, Ill.

- Taylor, R. R. 28 Myrtle Court, Cleveland, Ohio.
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 Thomson, Elihu 42 Center Street, Lynn, Mass.
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 Underwood, W. Lyman Belmont, Mass.
- Vaillant, George W. 13 Exchange Street, Boston, Mass.
 Very, Frank W. Rock Point, Charles Co., Md.
 Vogel, Frank Mass. Institute of Technology, Boston, Mass.
 Vorhees, Gardner T. 41 Richmond Street, Boston, Mass.
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 Walker, Elton D. Pennsylvania State College, Pa.
 Walker, William H. 613 Walnut Street, Newtonville, Mass.
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 Weeks, G. W. Clinton, Mass.
 Wells, Webster Lexington, Mass.
 Wendell, George V. 860 Massachusetts Avenue, Cambridge, Mass.
 Wesson, Paul B. Lowell Machine Shop, Lowell, Mass.
 Weston, David B. Watertown, Mass.
 Whipple, George C. Mt. Prospect Laboratory, Flatbush Avenue
 and Eastern Parkway, Brooklyn, N. Y.
 White, J. Foster Box 76, Brookline, Mass.
 Whitman, William 78 Chauncy Street, Boston, Mass.
 Whitney, Willis R. Mass. Institute of Technology, Boston, Mass.

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