

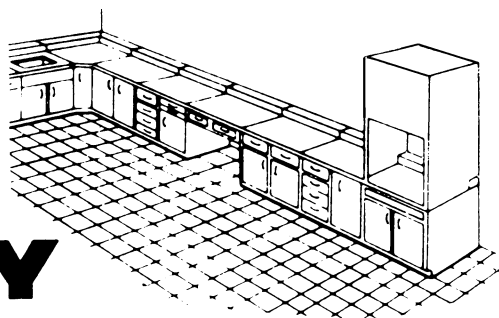
SCIENCE

29 May 1959

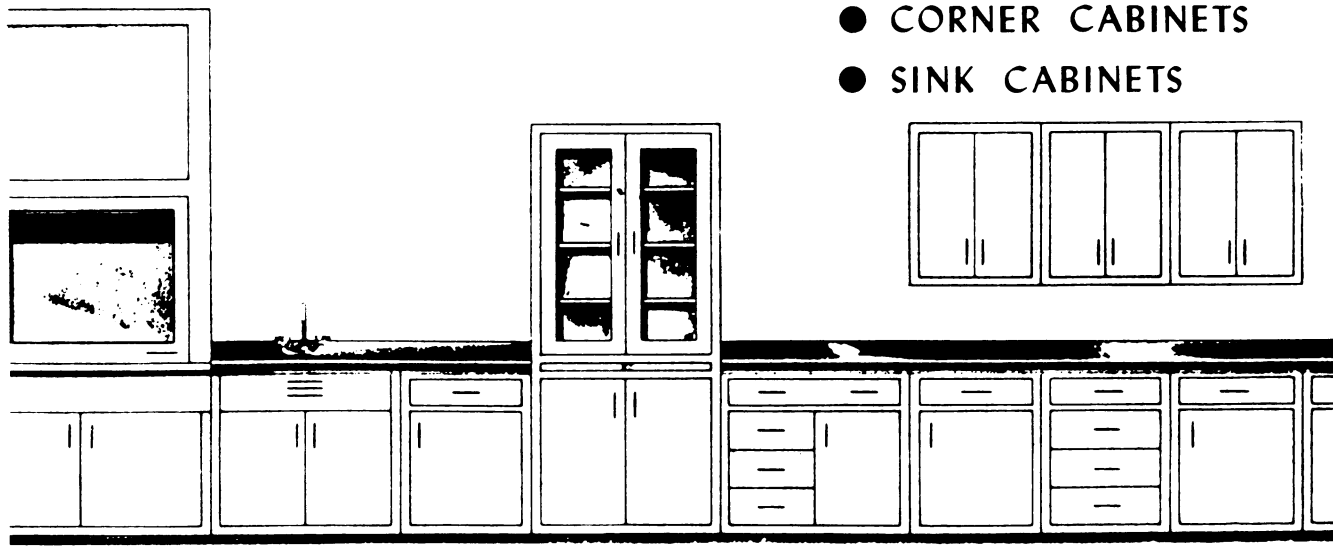
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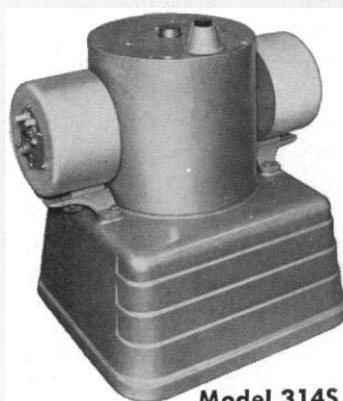
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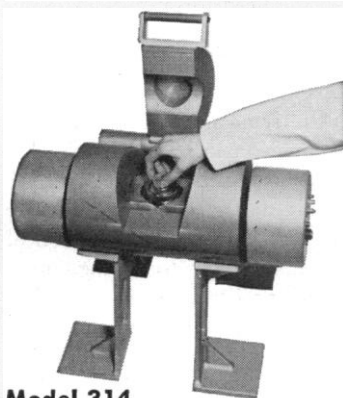
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SCIENCE ON MICROCARDS

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Meetings

Science and Mathematics Teachers

The Central Association of Science and Mathematics Teachers (CASMT), a recent affiliate of the AAAS, was organized on 7 June 1902 as the Central Association of Physics Teachers. A committee from 25 schools met in Chicago on that date to consider organizing an association of physics teachers. At the meeting a constitution was adopted, and plans for a later meeting were developed. At the second meeting, held at the Armour Institute of Technology in Chicago, 9–11 Apr. 1903, the membership of the association was broadened to include teachers from all fields of science and mathematics. The larger organization was renamed the Central Association of Science and Mathematics Teachers. The aim of the association, ever since this meeting in 1903, has been to improve instruction in mathematics by introducing the laboratory method, and to bring about a closer correlation of mathematics with the various areas of the science curriculum, especially physics.

Beginning with the third meeting, conventions have been held annually during the Thanksgiving vacation period; meetings were held even during the war years. Ordinarily, meetings are held in Chicago for two consecutive years, then in one of the larger cities in the Great Lakes area. The attendance at such meetings varies from 500 to 1200. The membership, which now exceeds 1400, is not restricted to the Central States. Members come from all 49 states and from Canada, Europe, Asia, Africa, and Australia.

Communication among the members of the CASMT is maintained through the association journal, *School Science and Mathematics*. The journal features articles on research as well as the more scholarly variety of expository articles on course material and teaching in science and mathematics. The journal is now in its 57th year, and circulation exceeds 5000. Nine issues of the journal appear annually, from October through June. The present editor is George G. Mallinson.

The association, at recent meetings, has been emphasizing the relationships between science and mathematics and industrial processes and applications. Field trips through major industrial installations have been a special feature of the conventions and have been well attended. The CASMT, the only association that specifically emphasizes the relationships between science and mathematics, is undertaking a major examination of these relationships. Such activities are eminently important in view of the extensive reevaluation of both

science and mathematics teaching at the present time.

The officers for 1958-59 are as follows: president, Clyde T. McCormick (Illinois State Normal University); vice president, F. Lynwood Wren (George Peabody College, Nashville, Tenn.); secretary, Joseph Kennedy (Indiana University); treasurer, Ray Soliday (Oak Park High School, Oak Park, Ill.).

GEORGE G. MALLINSON
*Western Michigan University,
Kalamazoo*

Film Congress in Britain

Representatives of documentary and scientific film organizations from many countries will meet at the 13th congress of the International Scientific Film Association, to be held in London and Oxford from 23 September to 2 October. This year it is expected that more than 200 films covering research, medicine, education, and popular science will be screened during the congress and its accompanying festival. The award-winning films will be shown at the National Film Theatre on 2 October. The British Scientific Film Association is organizing the conference. Further information may be obtained from the association's office at 3, Belgrave Sq., London S.W.1, England.

IAEA Nuclear Conferences

A symposium on radioactivation analysis will be held in Vienna, 1 to 3 June under the joint sponsorship of the International Atomic Energy Agency and the Joint Commission on Applied Radioactivity of the International Council of Scientific Unions. Other meetings on some practical aspect of the peaceful uses of nuclear energy have also been organized by the International Atomic Energy Agency.

In July, nearly 80 experts are expected to attend a seminar at Saclay, France, on the training of specialists in the peaceful uses of atomic energy.

A 6-day conference in Warsaw, Poland, on the application of large radiation sources in industry, especially to chemical processes, is scheduled for 5-11 September. Some 300 delegates are expected to participate.

Standardization of radioisotopes will be discussed at a symposium on radioactive metrology that is to be held in Vienna in October. About 100 participants, chiefly from national laboratories, will exchange views aimed at establishing internationally accepted methods of standardization.

The last in the series of meetings will be a conference on the disposal of radioactive waste, to be held in Monaco in

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November. It will be designed to bring together scientists from major atomic energy establishments, as well as oceanographers, geologists, and other experts in the associated sciences. Papers will be presented and, simultaneously, there will be panel discussions on the roles oceanography and geology could play in dealing with the problem. An IAEA panel set up last October is studying the question of disposal in the sea, but in view of the complexity of the subject it was felt that a conference would supplement the panel's efforts.

Forthcoming Events

June

29-1. Military Electronics, 3rd natl. conv., Washington, D.C. (L. R. Everingham, Radiation, Inc., Orlando, Fla.)

29-3. Dairy Cong., 15th intern., London, England. (R. E. Hodgson, Animal Husbandry Research Div. Agricultural Research Service, U.S. Dept. of Agriculture, Washington 25.)

29-3. Problems in Pastoral Psychology (Inst. for the Clergy of All Faiths), New York, N.Y. (A. A. Schneiders, Committee for the Inst. for the Clergy, Dept. of Psy-

chology, Fordham Univ., New York 58.)

29-3. Superconductivity, IUPAP colloquium, Cambridge, England. (D. Schoenberg, Dept. of Physics, Univ. of Cambridge, Mond Laboratory, Cambridge.)

29-4. Glass, 5th intern. cong., Munich, Germany. (P. Gilard, International Commission on Glass, 24, rue Dourlet, Charleroi, Belgium.)

30-10. International Electrotechnical Commission, Madrid, Spain. (IEC, 1-3, rue de Varembe, Geneva, Switzerland.)

July

1-3. Hydraulics, annual conf., Fort Collins, Colo. (W. H. Wisely, American Soc. of Civil Engineers, 33 W. 39 St., New York 18.)

1-4. British Tuberculosis Assoc., annual (closed), Cambridge, England. (BTA, 59, Portland Pl., London, W.1, England.)

1-5. International Radio and Electronics Conv., Cambridge, England. (British Institution of Radio Engineers, 9, Bedford Sq., London, W.C.1, England.)

2. Radiation and Ageing, Ciba Foundation 3rd annual lecture on ageing, London, England. (G. E. W. Wolstenholme, Ciba Foundation, 41 Portland Pl., London, W.1, England.)

3-5. International Union of the Medical Press, 4th cong., Cologne, Germany. (Dr. Stockhausen, Secretary of Bundesärztekammer, Cologne.)

4-9. American Soc. of X-ray Technicians, Denver, Colo. (Miss G. J. Eilert, 16 14 St., Fond du Lac, Wis.)

6. Shortening of Lifespan of Mammals Following Irradiation, research forum, London, England. (G. E. W. Wolstenholme, Ciba Foundation, 41 Portland Pl., London, W.1, England.)

6-8. Cell Structure and Function, 10th annual symp., Ann Arbor, Mich. (J. M. Allen, Dept. of Zoology, Univ. of Michigan, Ann Arbor.)

6-8. Oxford Ophthalmological Cong., Oxford, England. (I. Fraser, 21, Degpole, Shrewsbury, Shropshire, England.)

6-8. School and University Health, 3rd intern. cong., Paris, France. (Comité d'Organisation du Congrès d'Hygiène Scolaire et Universitaire, 13, rue du Four, Paris 6^e.)

6-11. Seed Testing, intern. conv., Oslo, Norway. (Intern. Seed Testing Association, Danish State Seed Testing Station, Thorvaldsensvej, 57, Copenhagen V, Denmark.)

6-12. Chagas' Disease, intern. cong., Rio de Janeiro, Brazil. (C. Chagas, Instituto de Biofísica, avenida Pasteur 458, Rio de Janeiro.)

7-10. Royal Medico-Psychological Assoc., annual meeting, Glasgow, Scotland. (RM-PA, 11, Chandos Street, London, W.1, England.)

12-17. American Waterworks Assoc., annual conv., San Francisco, Calif. (H. E. Jordan, AWA, 521 Fifth Ave., New York 17.)

13-17. National Assoc. of Power Engineers, natl. conv., Boston, Mass. (A. F. Thompson, Secretary, NAPE, 176 W. Adams St., Chicago, Ill.)

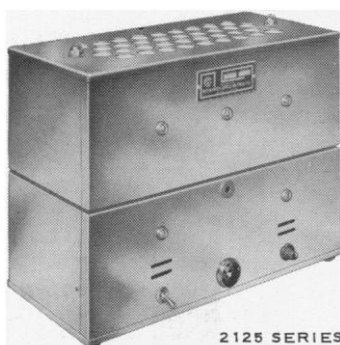
13-17. Standardization, intern. (council meeting), Geneva, Switzerland. (ISO, 1-3, rue Varembe, Geneva.)

(See issue of 15 May for comprehensive list)

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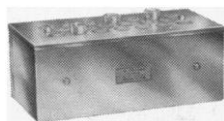


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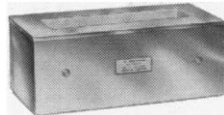


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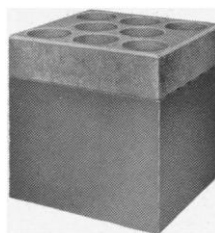


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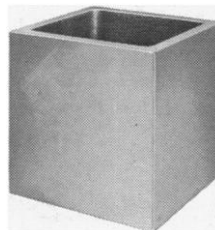


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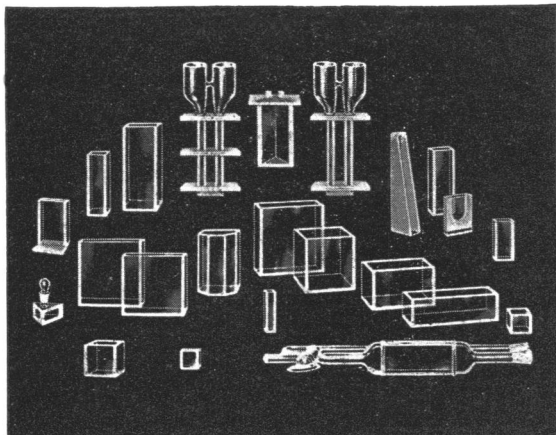
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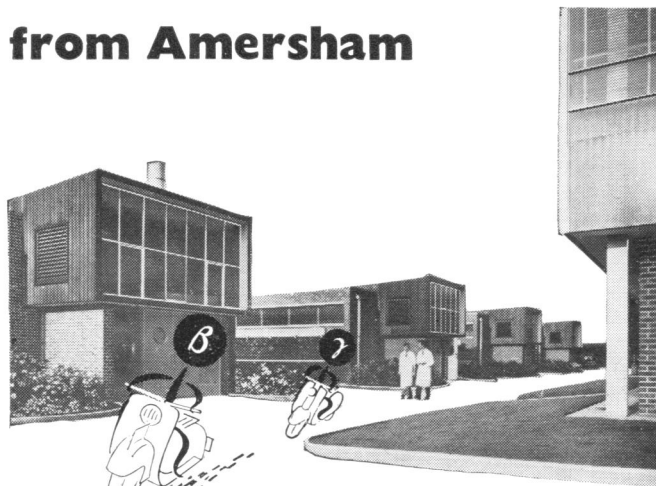
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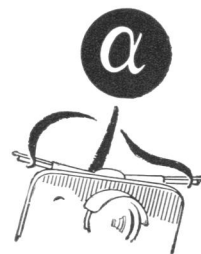
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Letters

Francisco Duran-Reynals

The genuinely admirable qualities that characterized the career and personality of the late Francisco Duran-Reynals have been captured adroitly in the beautifully drawn portrait by C. C. Little [*Science* 129, 881 (1959)]. I should like to add still another word in appreciation of Francisco Duran-Reynals, focusing upon a particular aspect of his life.

Francisco loved young people. Many of us came to know this as Jackson Laboratory summer students—even in fields far removed from microbiology. It was a common practice for scientists associated with the laboratory to give talks to the students, and Francisco's lectures were of particularly high quality. Informative and wonderfully lucid, they had an incisive logic and stylistic beauty that made us strain to hear every word.

It seems that he gave to these talks the same type of weighty consideration that would mark preparation of an address to a body of distinguished scholars. One could infer this, of course, from listening to him, but we acquired other evidence. For example, he and his lovely wife frequently invited us to "painting parties" at their house overlooking Bar Harbor. One Sunday afternoon when we came to fetch him, he was in his study and did not want to be disturbed. He was to talk to us the next morning, and we learned that he was terribly worried, lest it not be a success. He had been brooding over the lecture material all day.

When he emerged much later in the afternoon, I remember him taking me aside and commenting with warmth about the beauty of *Pheure exquisite*—the hour before sundown which he loved so well. And, knowing of my own love for sunsets, he suggested I not despair at my impending return to New York City: Manhattan had sunsets, too; it was just that sometimes the tall buildings get in the way.

This consideration for us and our feelings became apparent in other ways, too. On the occasion of an important meeting in New York, some of us came to hear him, and lingering on somewhat gingerly at the end of the session, we wondered whether he would remember us and debated whether or not to greet him. But he spied us. Hurriedly excusing himself from eminent colleagues who had surrounded him, he rushed up the aisle, threw his arms around us, and, launching into exuberant conversation, shepherded us out of the hall. (How many of us today give so much *disinterested* attention?)

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