



The A. N. Goddard Sundial

## CALENDAR OF KEY DATES

Please check your *News Letter* each month for possible changes and additions.

All meetings at the Institute except as otherwise stated.

### SEPTEMBER

- 5 (Mon.) Labor Day. Museum is closed.
- 8 (Thurs). 7:30 P.M. Start of course, *Archeology of North America*.
- 10 (Sat.) 9:00 A.M. First Junior Members' field trip.
- 15 (Thurs.) Observatory demonstrations by appointment.
- 16 (Fri.) 8:15 P.M. Members' Illustrated Lecture. *The Role of Minerals in the Universe*, by Kurt Nassau. In Cranbrook School Auditorium.
- 18 (Sun.) Last day to see exhibition, *Weeds*.
- 22 (Thurs.) Observatory demonstrations by appointment.
- 23 (Fri.) As above.
- 27 (Tues.) 7:30 P.M. Start of course, *Basic Astronomy*.
- 28 (Wed.) 8:00 P.M. Trustees Reception, by invitation.

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The first measure of time was the measurement of the position of the sun in the sky. The sun marked the course of the days and its hours; it marked the year and its seasons. The shadow of a stick on the ground was the first time measuring instrument, and from this developed a vast array of sundials—many of them ingenious and accurate. The most recently acquired dial in the Cranbrook collections is now installed outdoors; it is one developed by Victor Edwards. This particular instrument was made for our late benefactor and Trustee, Archibald N. Goddard. It came as a gift in memory of Dr. Goddard and Mary G. Goddard, his wife, from their children.

### NEWS AND NOTES

#### SMITHSONIAN CONFERENCE

A conference on museums and education was planned and conducted by the Smithsonian Institution as a "retreat" in Burlington, Vermont, August 21 to 28. Besides seven staff members from the Smithsonian and two from the U. S. Office of Education, thirty persons were invited to participate; persons representing foundations, associations, educational services, and museums. Sixteen museum persons from Boston to Berkeley were included, and among them Mr. Michael Butler, Curator of Physics, and Dr. Hatt, Institute Director. Mr. Butler was commissioned to prepare a paper for pre-conference distribution, dealing with our educational philosophy, and aptly chose the title "Gawk or Think?" Dr. Hatt chaired the session on educational testing.

#### DIRECTOR HATT IN TOKYO

The 11th Pacific Science Congress convened in Tokyo in late August and continues into early September. Here Dr. Hatt is delivering a paper on special problems of museums in islands of the Pacific, as relates to conservation of indigenous biotic and cultural resources. He is also there as the official representative of the International Council of Museums. Following the Tokyo sessions Dr. and Mrs. Hatt, in company of others with similar interests, will visit primate research centers and wild monkey colonies of Japan.

The Pacific Science Congresses are held about every four years and bring together scientists from over 40 nations bordering the Pacific.