NOTICES

A.S.M.E. Meeting
For its last meeting of this term, A.S.M.E. is sponsoring a talk by Professor Harry E. Edgerton on the "Stereoscope." Details of the National A.S.M.E. Spring General Committee Meeting will also be discussed at the meeting, which will be held in Room 4-211 today at 5:00 p.m. in Room 10-256.

Chemical Engineers’ Dance
The Technology Chapter of A.C.I.G.E. will hold a Christmas Dance on Friday, Dec. 15, 8:00 p.m. The Technicians will play and there will be a guest group to entertain.

L. S. C. Movies
The L.S.C. movie series will present "In Search of the Nut," starring Claude Cobert and Cheek Gable, directed by Frank Capra, today at 7:00 p.m. in Room 10-256. Admission price is thirty cents.

- Three each prizes of $500, $800, and $1,000 will be awarded to the best thesis in support of the principles of the American Constitution, as part of the Periodic Wood Cleanse Prize Competition. Further details may be obtained from English Department Headquarters.

Operation Octopus
(Continued from Page 1)
the regulation and control of each experiment was developed. The machine, while not yet completed, will be used, simply exactly the type of the Research Group.

- In building the machine, which is known as Otopus, certain considerations had to be observed. The problem, which would be much different on the machine, could not be trivial, nor time consuming. The messages, which would be sent through the machine, would have to be limited to a few simple questions.

Complicated Pattern Possible
Set up for experimental groups of five persons, the machine sends and receives on a panel of switches and lights which each member of the group has before him. The problem starts with each member being given a number, either 1, 2, 3, or 4, and consists of having each member find out all the numbers, add them up, and give the answer by tapping whether the sum is odd or even.

Message cannot, of course, be sent by everyone to everyone else. This is where the pattern of communication comes in. It is set up and controlled as the master control panel. It can be changed at will, and determines who contacts whom.

Messages between any two members of the group cannot only be changed, but can be blocked also. Thus all, or half, or any part of the messages sent by a group member can be changed to suit the opposite of what he sent. This can complicate the pattern quite a bit.

Steps Automatically
Each problem, as it is set up, does not necessarily require that each member of the group get the right answer. The control panel is set before each experiment, and the member may be required to get the correct answer, any answer, or no answer in particular. For example, two of the five group members may be required to give the right answer, two others any answer, and the fifth may have nothing required of him.

When all of the requirements have been satisfied, the machine automatically records the time and lights up a sign on each panel telling the group that the problem has been solved. The messages sent and other data have been recorded, as well as having been observed by the operator on the control panel.

This is the work of the Harvard Communications Research Group. When the machine is completed, it should serve a definite purpose in experimental methods in the field of communication control.

Calendars
Calendar (Continued from Page 1)
TUESDAY, DECEMBER 19
Technology Majoreen. The Bridge Group. At the home of Mrs. Ralph Freeman, 925 Memorial Drive, Cambridge, 1:00 p.m.
Tech Model Railroad Club. Business Meeting. Room 204-216, 3:15 p.m.

WEDNESDAY, DECEMBER 20
Acoustic Laboratory. Seminar: "Some Notes on Electroacoustic Reflection." Jerome R. Cox, Jr. Room 12-112, 4:00 p.m.
Richard C. Madakin Lectures, A.F. and A.M. Meeting, Masonic Temple, 1460 Massachusetts Avenue, Cambridge, 6:15 p.m. All Masons at M.T.E. are cordially invited to attend.

EXHIBITIONS
Photographs by Glassco John Lashshm will be shown in the Lobby of Building 7 through December 14.
Photographic Salon prints by Raymond R. LaPelle of Philadelphia, Pennsylvania, will be on display in the Photographic Service Gallery, Basment of Building 11, through December 24.
An exhibition of Mobile Sculpture by Alexander Calder will be on display in the New Gallery of the Charles Hayden Memorial Library, through Friday, 10:00 a.m. to 5:00 p.m. through January 14, 1951.

CALENDAR OF EVENTS
The Calendar of Events will not be published for the next three weeks, December 20 to January 8. Material for the Calendar, January 10-16, is due in the office of the Editor, Room 7-204, not later than noon on Thursday, January 4.

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