

MIT Photo

Dr. H. Edgerton sheds some light

## OPEN HOUSE EYE-OPENERS

If you were not one of the thousands of householders who were startled and amazed last Monday night by a giant beam of light from M.I.T., you'll have another chance to see it Friday night and again at Open House next Saturday.

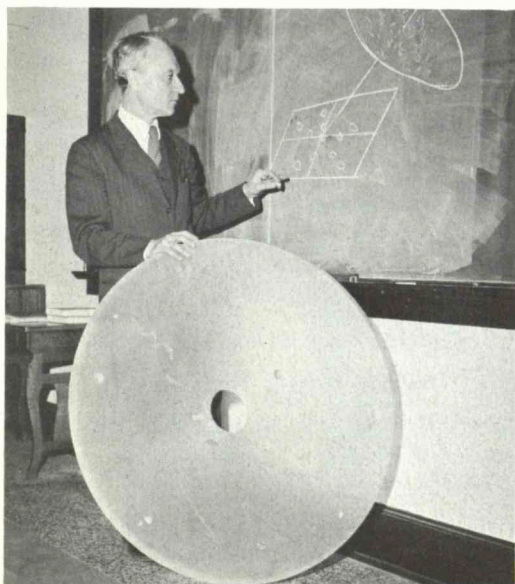
The man behind the beam, of course, was and will be Dr. Harold E. Edgerton, world-renowned as "Papa Flash". The big beam, which airlines pilots saw from 55 miles south of Boston and which caused hordes of citizens to call police and the newspapers, came from 250,000-lumen-second stroboscopic light which he was testing on top of the Dorrance Bldg. It's a light which he developed during the war for aerial photography.

Dr. Edgerton plans to install the light on the fourth-floor balcony of Bldg. 7 for Open House and have it putting out flashes which should give the visitors a dazzling introduction to the show. He will also drape his deep-sea strobe from the balcony and have it flashing every 7 seconds.

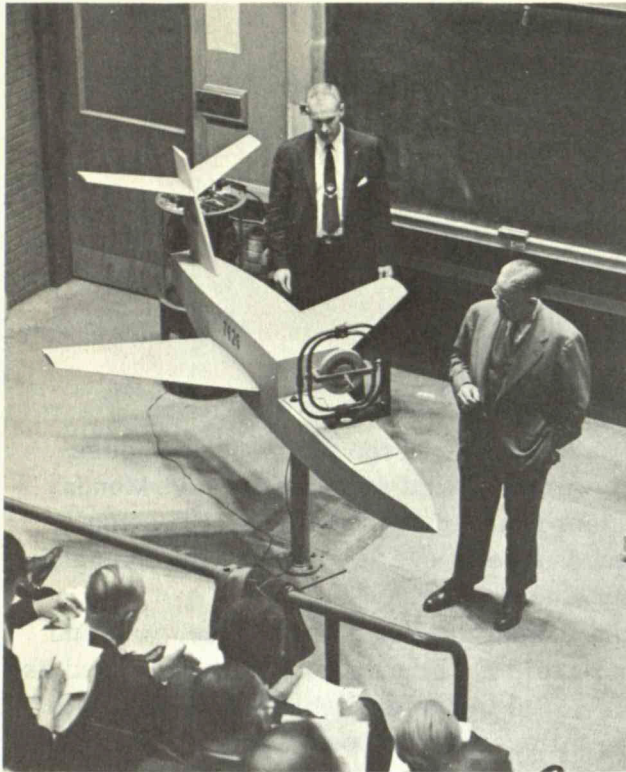
The list of exhibits put together by the Open House committee is itself pretty dazzling. There will be a lot of first-time-shown apparatus. Models explaining the Inertial Guidance system developed by the Instrumentation Laboratory will be on display. One of the big plastic disks with which Dr. Bruno Rossi recorded a 10,000,000,000,000,000-volt cosmic ray shower will adorn one of the empty pedestals in Bldg. 7.

Open House will be held from noon until 7 p.m. and as many as 30,000 people are expected to visit M.I.T. to see more than 200 demonstrations, exhibits and films. M.I.T. varsity athletic events in baseball, tennis, crew, sailing and track will be open free to the public on the same date as will the Massachusetts Science Fair to be held by high school students in Rockwell Cage.

Dr. B. Rossi catches some showers



AP Photo



Prof. Walter Wrigley (left) and Dr. Charles Draper explain "Inertial Guidance" to press

## GUIDANCE WITHOUT INERTIA

For the first time, relatives and friends of the 750 members of the Instrumentation Laboratory staff knew that the mysterious work they were doing was very important. Disclosure to the press last week of unclassified aspects of Inertial Guidance revealed the significance and scope of this project.

Instrumentation Lab. people knew better than anyone else that there was very little inertia in the guidance of the director, Dr. Charles S. Draper. It took this guidance, fully integrated by leaders such as Joshua "Bernie" Feldman, for the minor crash program in which preparations were made for the press conference and a Channel 2 television show.

A number of people, especially in the machine shop, lost sleep getting gadgets ready for the demonstration.

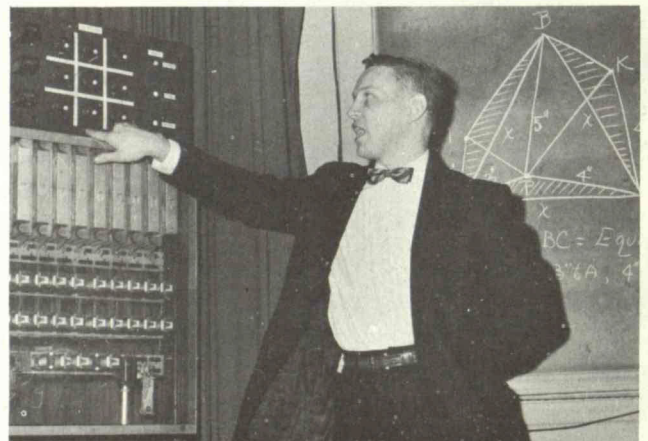
A model plane, No. 3.1416, was designed by John Nugent and built for the occasion by the F. W. Dixon Co., of Cambridge.

It served as a platform (with torsion-bar suspension) for a two-degree of freedom gyro, credited to John Barley, and a single-degree of freedom gyro, ascribed to Frank Bidwell. Gimbals were by John Garniewicz, and the plane was wiggled by Dr. Walter Wrigley, while Dr. Draper explained the way things work. John Hovorka provided additional guidance for the public relations men.

Integrating gyros were provided by Lester Grohe, pendulum models by John Barley and Frank Sirocco, and art work by Dorothy Ladd. Props were transported (repeatedly) by a crew headed by Larry Romano and Charles Hughes, and refreshments were served at the press conference by Ned Lenson.

## MEETING OF THE MINDS

If a merchant reduced the price of his \$2 shirts and took in \$603.77, how many shirts did he sell? Fanciers of such "Brain Tickling" questions enjoyed a jam session Sunday afternoon, April 7, at M.I.T. Prof. Eugene W. Boehne, who started the WGBH-TV "Brain Tickler" program, and John A. O'Brien of the Lincoln Laboratory, who conducts it now, presented and explained puzzles. Dr. David A. Huffman demonstrated the game of NIM, and David Crockett presided over the tic-tac-toe machine that never loses.



Phil Lieberman

Davy Crockett plays tic-tac-toe

## NO STEAM IN THE TEAM

The Boston Globe called the basketball players pictured on this page "the greatest array of talent" ever assembled on a single court. But as anyone who saw the two M.I.T. faculty teams play at the Cambridge Armory on Saturday, April 13 knows, it wasn't basketball talent the Globe was talking about.

Playing for the benefit of the "Boys' Work" project of the student Technology Community Association, two faculty teams -- one from the Science and the Humanities faculties and one from the Engineering faculty and the administration -- put on a good show for a packed house. But for all the spirited play, the picture at bottom left was one of the very few in which the action might have been mistaken by the casual observer for something not unlike basketball.

Bottom right shows (l. to r.) four of the principals: Chancellor J. A. Stratton, umpire; physics professor D. H. Frisch of the Science-Humanities squad; President J. R. Killian, referee; and E. Chamberlain of the admissions office who's wearing a yellow "Dutch Boy" wig which was a standard part of the uniform for the Engineering-Administration team.

In the picture above, Dean R. Holden, riding piggyback, scores on his dunk shot with an assist from Dean W. Speer. Calling the play is Referee Killian. Basket counted.

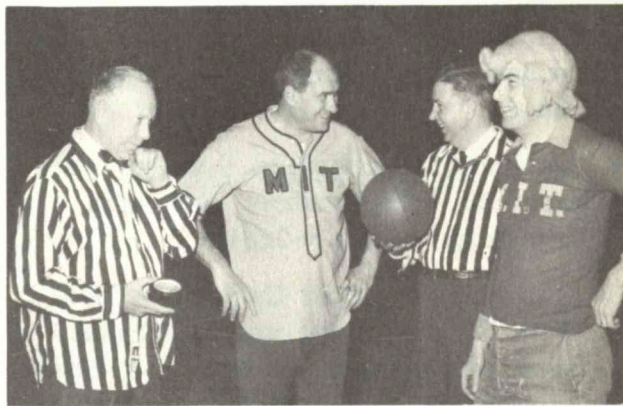
While the Science-Humanities squad won by a 39 to 5 score, both teams agreed on one thing: the sixteen-minute game was about fifteen minutes too long.



Phil Gallagher



The Tech



The Tech

## FAIR HAIRED BOY

"The Fair-Haired Boy," a new version of a classic Russian comedy, will be presented by The Staff Players on May 9, 10, 11 and 17, 18 in the Little Theatre of Kresge Auditorium under the direction of John C. Gilland (DSR Staff).

M.I.T. Professor Martin Dyck translated the original Russian work and Burton Robie (Humanities Librarian) adapted the play to a modern American setting. The production is a caricature of society as seen through the eyes of a "fair-haired boy" who finds the formula for success in Washington.

The set has been designed by Frank Kreuger (Architecture Graduate Student) and costume design is by Mida Karakashian (DSR Staff).



MIT Photo

## INDUSTRIOUS INDUSTRIALISTS

More than 500 of the nation's top executives spent a busy day at M.I.T. to celebrate the fifth anniversary of the School of Industrial Management, getting some expert steers on what the future holds. For example, Associate Dean Eli Shapiro predicted lower interest rates for the next decade -- a forecast of vital importance to industry.

A session that interested the visitors particularly was a panel discussion on the duties of a corporation director. Lyman Bryson of CBS's "Invitation to Learning" was moderator and members of the panel were: Sidney J. Weinberg, who is known as a "director's director" because he spends full time at being a director of some 40 companies; Dean Eugene V. Rostow of Yale Law School (brother of M.I.T.'s Walt W. Rostow and a dead-ringer for him); David A. Shepard, a Standard Oil of N.J. director and M.I.T. corporation member, and Dr. Vannevar Bush, M.I.T. Corporation chairman.

## FOR SALE, ETC.

Won't someone buy my vio - lin? Wurlitzer Cremona. Mellow tone. Used in string trio. Case & bow. \$50. Smalley, Ext. 5557 (Lincoln)

Olivetti "Lettera" portable typewriter. Excellent condition. Asking \$65. H. Perlmutter, Ext. 3642.

AKC Standard blackpoodles. 9 weeks old. \$50 each. Dr. John Leidholt, Ext. 4481 (Fridays only), or BL 8-2264.

New Cornerless-Corner University Enclosure with 12" dual range coaxial speaker and numerous speaker combinations. Encl. dim.: 37" h. 28" w. 19" d. Blond mahogany. Miss Cohen, Ext. 2110 or HO 9-9121 bet. 8 & 9 p.m.

'53 Willy's station wagon. Just overhauled. Excellent condition. Good tires. Asking \$450. Newell, Ext. 463 (Lincoln).

'49 Nash 600. 4-door sedan. \$70. Mr. Carlson, Ext. 748.

3½ rm. completely furnished apartment. New stove and refrigerator. Heat & hot water. Avail. June. M. Kaye. Ext. 3496.

West Newton. Older type house. Spacious lot. 5 bdrms. Mod. kitchen. New furnace & plumbing. Near transport. & shopping. Asking \$28,500. Miss Morgan, Ext. 3501.

Waltham. Modified Cape. 3 bdrms., bath, kitchen, dining rm., living rm., full basement, expansion attic insulated and partially finished. Oil heat. \$16,500. Lt. Col. Wogan, Ext. 4475.

Winchester. 5-yr. old Garrison colonial. Porch & garage attached. 24-ft. living rm., dining rm., kitchen, 3 bdrms., 1½ baths. Wooded lot, 15,000 sq. ft. V.A. appraised \$17,500. Mrs. Slader, Ext. 401 (Lincoln).

Illustration service available. Line drawing. 3/16" lettering. About 6 hrs. work per week. Cooper, Ext. 2773 or CA 7-6427.