

SAFARI IN SARI

Borrowed from the Museum of Modern Art and now on view in the New Gallery is a collection of unusually lush textiles. The products of an artistic civilization more than 5,000 years old, the silks and saris are representative of both traditional and contemporary fabrics in India. An infant by comparison, the U.S. has borrowed many Indian words to describe its own attire: pyjama, sash, bandana, shawl, dungaree, calico, chintz, and khaki.

Showing off some sportive Indian dolls is Mrs. Yash Pal (left), a "scanner" in the Synchrotron Lab. Born in Punjab, Mrs. Pal now makes her home in Bombay. She has been in the U.S. three years and will go back to India as soon as her husband completes his Ph.D. in physics at M.I.T.

HIT PARADE

When Princess Margaret visits Trinidad this month for the official opening of The West Indies Legislature, she will probably get her first hearing of the new "Federation March." To celebrate their independence (March 25, 1958), the ten Caribbean islands commissioned an American to send down an appropriate melody, with lyrics, to be used as a national theme song. The composer: John Ribeiro, a printing assistant in Photo Service.

John scoured the Library for literature on the Caribbean, plowed through five or six volumes on the subject before tackling the music. Then, as he says, "I just put myself in their place and started in." The march will get its first American hearing at a \$10-a-plate banquet and ball to be held (and carried on radio and TV) in the Sheraton Plaza Hotel on April 22. The occasion, in honor of the new federation, will feature Senator John F. Kennedy as guest speaker.

Born in Cambridge, John has spent most of his spare time for the last 20 years listening to music and catching up on show business. Though he has had little formal training in music, he finds himself inventing melodies without half being aware he is doing it. A year or so ago he started writing some of them down. A well-known music arranger by name of Preston Sandiford helped him to fill in on harmony. The result: The Federation March and John's first published song, "One in a Million," soon to be released on the American market.



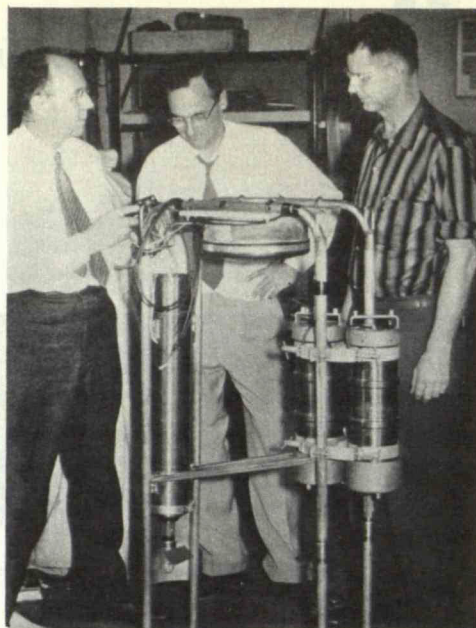
SPLASH

A recent one he built was padded for its long voyage with two dozen M.I.T. flannel caps, and it was used to take pictures of the ocean floor at the greatest depth -- 25,000 feet -- ever viewed by a camera (see March issue of The National Geographic).

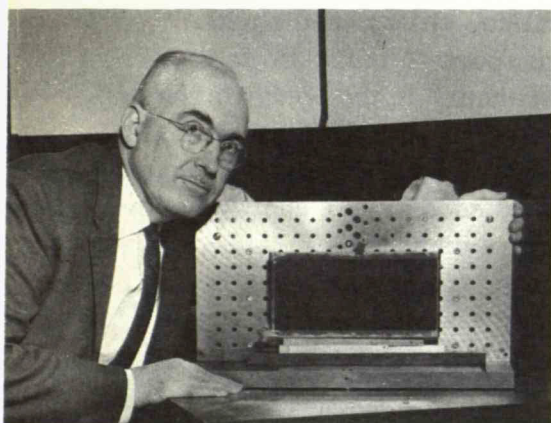
Dr. Harold Edgerton and his team in the Strobe Lab have lately finished another huge, powerful, deepsea camera. This model, says Prof. Edgerton, will take stereoscopic pictures "of any depth." It will be used under the Indian Ocean by Dr. John Graham of the Woods Hole Oceanographic Institute for oceanic research on behalf of I.G.Y.

In another laboratory -- whose "floating" floor is cushioned from subway and other unwanted vibrations by two feet of felt, cork, and rubber -- Dean Harrison and three research assistants have recently completed the largest and most perfect

diffraction gratings ever made. The gratings consist of ten-inch mirror-surfaced glass blocks, each one engraved with 74,500 exactly parallel grooves. An important research tool, they are used to break up light into such a meticulous spectrum that unusually fine analysis of atomic structure can be made. The grooves were engraved by the most precise "ruling engine" in the world. The result of ten years of research in the Spectroscopy Lab, the engine is electronically controlled, puts its diamond nose to the grindstone for four full days on each grating.



Lf to rt: Edgerton, Dr. Graham, and technician Bill MacRoberts



Harrison hovers over grating

HERE AND THERE

Speaking of the Lowell Institute School (issue of March 25), one alumnus has just received a Certificate of Excellence from the Institute of Radio Engineers for his "outstanding contribution to the advancement of miniaturization" -- the art of making smaller instruments for more efficient mechanisms and vehicles such as gyros and missiles. Recipient of the award: Lester Grohe, assistant director of the Instrumentation Lab, who graduated from LIS in 1947.

When the American Cancer Society brought a group of science writers to M.I.T. recently for a look at medical therapy potential in the nuclear reactor, advance publicity unceremoniously tagged the contingent as the "tumor tourists."

The new religious articles for Catholic services, designed especially for the M.I.T. Chapel, will be introduced and discussed in the Chapel on April 14 (7:30 p.m.). The speaker: Tom McNulty of McNulty-Fawcett Associates, the architectural firm responsible for design of the chalice, ciborium, and candlesticks, and over-all coordination of the other objects and vestments. The Associates represent strictly local talent: both McNulty and Fawcett are M.I.T. alumni.

Received: the largest grant (\$30,000) ever made to a U.S. college by the Creole Foundation of Caracas, Venezuela. The gift will be used for research and education in soil engineering.

New captain of the Squash Team is Colin Clive, 21-year-old Londoner who spent two years in Her Majesty's Buckingham Palace Guard before starting engineering studies at M.I.T.



Destination L.A.

Scheduled for the CBS-TV program, "Conquest," on April 13 from 5-6 p.m. is an aerial interview between Eric Severeid (left in picture) and Prof. Charles Draper (right). The occasion: a Boeing Stratocruiser flight from Boston to Los Angeles, with unmanned controls. The 2,596-mile flight was the first public test of Draper's astoundingly accurate system of automatic navigation -- better known as inertial guidance.

When three Boston Globe editors recently got into a squabble over the correct wording of a page one headline, they turned to the M.I.T. Humanities Department for advice. The problem: "What kind of creatures shall we find on the moon?" vs. "What kind of creatures will we find on the moon?" Not sure that the moon has any creatures on it, the M.I.T. profs concluded that "shall" is correct grammatically, but "will" is more popular in current usage. Globe elected the King's English, used "shall."

NOT IN THE RED

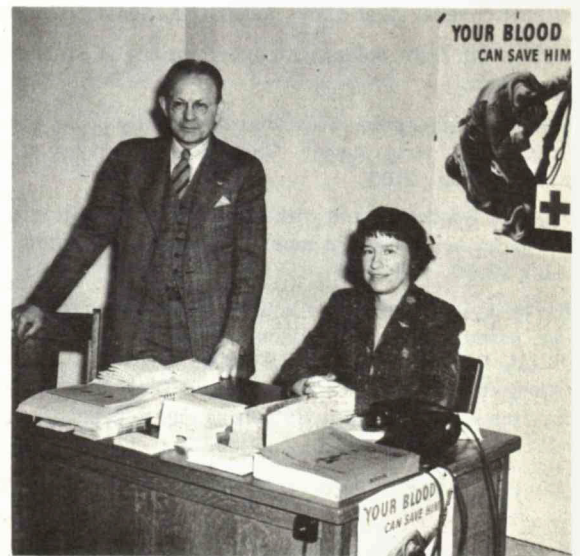
It all began during World War II. Thousands of wounded soldiers needed emergency blood transfusions, and the American Red Cross stumped metropolis and village across the country to find donors. M.I.T. was approached in the spring of 1944, community-minded TCA elected to do the organizing. With Mr. Wallace Ross directing operations and Connie Houghton running a full-time appointment and shuttle service, an average of 53 M.I.T. donors turned up at Red Cross headquarters on Boylston Street every week until V-J Day.

After the war, the Red Cross turned to a civilian blood program that would answer not only general emergencies (fire and famine) but also individual medical and surgical needs. In 1948 the Regional Blood Program was launched, a national system of free give and free take for workers or residents in a given area. The nub of the program: by pooling contributions from volunteer donors, Red Cross chapters offer to all participating groups free blood in time of need.

M.I.T. has been a member of the program since the start. Under the energetic eye of Mr. Ross, TCA, and numerous students, 9,318 pints of blood have been donated to the Cambridge Red Cross since 1946. Biggest year was 1952-53 when, at the height of the Korean War, 1,686 pints were given. Last fall, with the Asian flu scare, no students were allowed to make donations. The resulting gap in the organizational network was filled by the M.I.T. Independent Union, which in one day collected a whopping 228 pints.

The returns on these contributions? There are no figures on the exact number of M.I.T. people who have been helped -- or saved -- by the program. In the year 1956-57, M.I.T. donated 694 pints. During the same period, M.I.T. personnel received a total of 422 pints of free blood, as the need arose. This red-letter balance has been largely held through the years by M.I.T. and other program members. In it lies the success of the whole venture.

Right now M.I.T. is getting under way on its twenty-first blood drive, scheduled for May 6-8.



Launchers Ross and Houghton (1944)

An all-out proposition this year, student chairman Dave Montgomery of TCA is working closely with groups throughout the Institute to map out an all-inclusive campaign. For the first time this year, Lincoln Lab will donate directly to the Lexington Chapter of the Red Cross, instead of to Cambridge as it has in the past. The two chapters, ordinarily independent of each other, will work together more closely in a cooperative program giving full coverage to all M.I.T.

The Red Cross program is open to everyone at M.I.T. and to members of their immediate families. Its success is measured by supply -- of all types of blood to answer all needs. "Each chapter is as generous as its credits (donations) permit," comments Miss Grace, director of the Cambridge Red Cross blood program. To date the credit has been good -- thanks to the dynamic efforts of the Red Cross, TCA, many tireless M.I.T. campaigners working behind the scenes, and a steady supply of generous donors. The end result: "awe-inspiring," says Miss Grace.

FOR SALE ETC.

5 pc. tea service, silver on copper. 2 pots, sugar bowl, creamer and waste bowl. J. E. Neimark, Ext. 2209.

Folding (Rollaway) bed. Excellent cond. Very reasonable. Ray Parks, Ext. 3548 or TR6-1159 (after 6 p.m.).

Three little girl's coats, worn very few times. All-nylon snow suit, size 10; Orpaca orlon coat, size 8; pink wool spring coat, hand-made, size 7. \$15 each. MI3-1901.

Reiker ski boots. Man's size 8½-9. Excellent cond. Carol Wills, CE7-9073.

Old-fashioned cylinder Ediphone, museum piece for which we no longer have room. For someone who tinkers could be a pleasure -- if not a thing of beauty -- for years to come. Best offer. Ext. 3354.

'56 Vespa. 2 seats, front luggage rack, spare, etc. 80 m./gal, 45 m.p.h. New \$390, asking \$275 (will haggle). Steve Tritter, AS7-9770 or AV2-3036, both after 6 p.m.

New Vespas -- all models. Steve Tritter (see above).

'49 Oldsmobile. R & H. Newly painted, very clean. \$200. T. Clarke, BE2-0628 after 5.

'50 Packard sedan. 4-dr. R & H. Ext. 154.

'50 Studebaker Champion club coupe. Best offer. A. Vaudo, Ext. 4150.

'55 Ford. 2-dr. 6 cyl. standard shift. 2 new snow tires. R & H, new seat covers. Best offer. June Barlas, MI3-5078 after 7 p.m.

'55 Plymouth 4-dr. sedan. An excellent buy at \$1050. VO2-8756 after 6 p.m.

'56 Buick Roadmaster, 4-dr. hardtop. Fully powered. Only 14,000 miles. Orig. owner. Very clean. Good buy at \$2,195. Mr. Tino, Ext. 2100.

'57 MG-A Roadster, red with black leather upholstery and top. Gone under 5,000 m. but must sell because of coming marriage. Asking \$2050. IV4-4941.

Chevrolet Corvette. Fully equipped: dual 4 barrel 225 HP engine, powerglide transmission, all red body with matching removable hardtop, power operated white orlon soft top, signal seeking transistor R & H. Bought new Sept '56, 35,000 careful miles since. Reluctantly selling due to expanding family. Best offer, vicinity \$2850. J. Rice, Ext. 7346 (Lincoln).

Wanted: set of tire chains to fit 7.10 x 15 tire. Fred King, Ext. 2110.

Wanted: Space Bunny comics (July, 1957) urgently required for research project. Call LA3-0497 (evgs).

Room for rent, Newton. Balcony, shared K, lg. closet. \$70/mo. BI4-5128 (evgs or weekends).

Apt. for rent. Wellesley. 2 lg. sunny rms., priv. bath. Top floor of staff member's home. Fine neighborhood. \$80/mo. incl. utils. Mr. Brainerd, Ext. 2467 or CE5-1350.

For rent: furn. 2-rm. apt. near Harv. Sq. available May 1st. 1st floor, free parking. EL4-2807 after 7 p.m.

5-rm. 1st floor apt. near Harv. Sq. Heated, unfurn. \$75/mo. Claire Neville, Ext. 2614 or TR6-5655 (evgs).

Harv. St., Cambridge. All furn. lg. LR-BR combo for 1 or 2 girls. K privileges, share B. KI7-1683 or CL9-8617 (evgs).

House for sale, Arlington. 3 BR ranch. Morningside area. Fp, full basement, 2-car garage, screened porch. \$21,900 from owner. MI8-1121 or Ext. 156.

House for sale, Arlington Heights. Lg. old sunny house, 4 BRs, semi-finished basement, 1/4 acre land with view, barn garage. Excellent schools, bus to Harv. Sq., 20 min. to M.I.T., 15 min. to Lincoln Lab. \$15,900. Ext. 2396 or MI3-6848.

House for sale. Lexington (near Ar. Hts.). 2 BR bungalow, basement, oil heat. Fenced backyard, quiet street. 25 min. by car to M.I.T., MTA also. \$11,300 from owner. Lt. Michaels, VO2-0518 after 7 p.m.

5-yr. old split level. Excellent cond., excellent neighborhood. 3 BR's and beautiful B, LR, separate DR, fully equipped K, extra lavatory, wall-to-wall carpeting. Full basement, finished cellar, finished playroom. 10,455 sq. ft. of land. 2-car oversized garage. Easy commuting to Boston via train or car. Asking \$24,000. HI4-1845, or Ext. 669.

For Sale. Stoneham. 6-rm. Garrison Colonial with screened porch, garage. Excellent location, 10,000 sq. ft. of land, outdoor fireplace. \$18,000. Stoneham 6-0451.

Desire to exchange 2-BR furn. N.Y. apt. (Jamaica, L.I.) for beach cottage -- lake or shore -- for 1 mo. during July or August. 35 min. from N.Y.C. in U.N. Village, suitable for family of 4. Paula Knight, Ext. 3257.

Wanted: furn. apt. for two, to sublet for summer. M.I.T. area or Beacon Hill preferred. T. St. Clair, Ext. 153, or W. Crowston, Grad. House 504-A.

Wanted: 4 bicycles for children ages 4-6 (2 sets of twins). Raymond Battistelli, Ext. 140 (Lincoln).

Wanted: Second-hand typewriter in fairly good cond. Betty Ann Sargent, Ext. 181 or Victor 3-7427 (evgs).