

MAVERICK

On 2500 acres of sand and sagebrush leased from the Frank Bond Cattle Company of New Mexico, a delegation from Prof. Rossi's group in the Lab for Nuclear Science will set up housekeeping, quonset-style, sometime next week. Called Volcano Ranch because of "three genuine but extinct" volcanos at one end, the arid acreage will be used for the biggest experiment ever made in "catching" -- not cows -- but cosmic ray showers.

Biggest preparation for the expedition was the production of some 20 tons of plastic which the LNS team of Bill Smith and Ed Mangan brewed and baked into 200-pound discs in Bldg. 46.

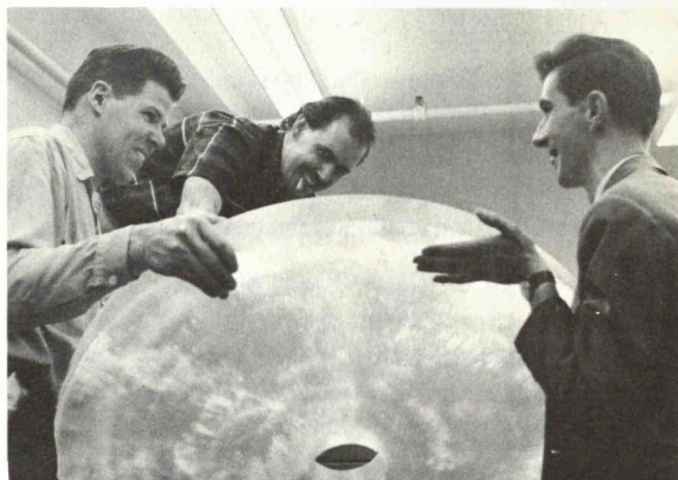
Too expensive to manufacture commercially, the discs contain special chemicals which make them give off splashes of light when cosmic particles pass through them. By measuring "splashes" electronically, much can be told about the direction and energy of the high-powered particles which continually bombard the earth from outer space.

Much can go wrong in making the discs. The liquid plastic (polystyrene) must first be brought to a boil via an oil bath, and if it gets too hot it may explode. Later it must be cooled slowly enough so air bubbles don't form, then baked in a mammoth oven, then cooled again slowly enough so it doesn't crack. For Smith and Mangan, the record is good: they turned out 200 tricky discs with no rejects at all.

The New Mexico experiment, which will take about a year, is being financed by a grant from the National Science Foundation. An offshoot of earlier experiments in Harvard, Mass., under the direction of MIT's William Kraushaar and George Clark, the Volcano Ranch venture will be led by Dr. John Linsley, a Minnesota-born physicist in LNS. Also looking forward to his first taste of the woolly west (and hopefully of real cowboys) is Dr. Livio Scarsi, who is on leave from the University of Milan in Italy as a fellow in the MIT School for Advanced Study.

AIR-BRUSHED

We know MIT has plenty of chicks, but herewith our spring offering on roosters. Their delicate assignment: painting Meteorology's instrument tower (complete with wind vane, wind velocity meter, sun duration meter and other equipment) which pokes its weathered nose some 50 feet in the air above Building 24.



Left to right: Mangan, Linsley, Livio





HERE AND THERE

An invitation from the Charles: Jack Wood, Sailing Master, encourages all those with nautical nostalgia to come to Shore School this week for a basic brush-up on dinghy lore. "If you can tie your shoes in the morning, you'll have no trouble with our knots," says Jack reassuringly, and he urges greenhorns and old timers alike to sit in on the rest of the sessions this week at the Sailing Pavilion. The only prerequisite: ability to swim (or float) 100 yards.

While we're on the subject of canvas, the last show this year at the Mass. School of Art gallery on Hemenway Street has been imported from the Museum School of Fine Arts. Among the five Museum students showing paintings there are Cynthia Cooley (Library) and Millie Goldstick (Meteorology).

P.S. With an iron grip on his paintbrush, Andrew McDougal (Heat & Vent) had the novel experience a few weeks ago of dabbling in oils under the glare of TV cameras. The program ("Dateline Boston," Channel 5) featured an art class from the YMCA in Dorchester where Andrew has been a student for three years.

At 10:44 a.m. on May 16, Lincoln Lab's new radar atop Millstone Hill in Westford cast its long-range eye on Sputnik III's "booster" rocket at a diagonal distance of 863 miles. Set tracked the booster for six minutes, finally lost it beyond Newfoundland at a distance of 1047 miles from Millstone. The radar also picked up the Sputnik itself -- a sighting confirmed by simultaneous radio signals from the transmitter in the satellite's nose cone.

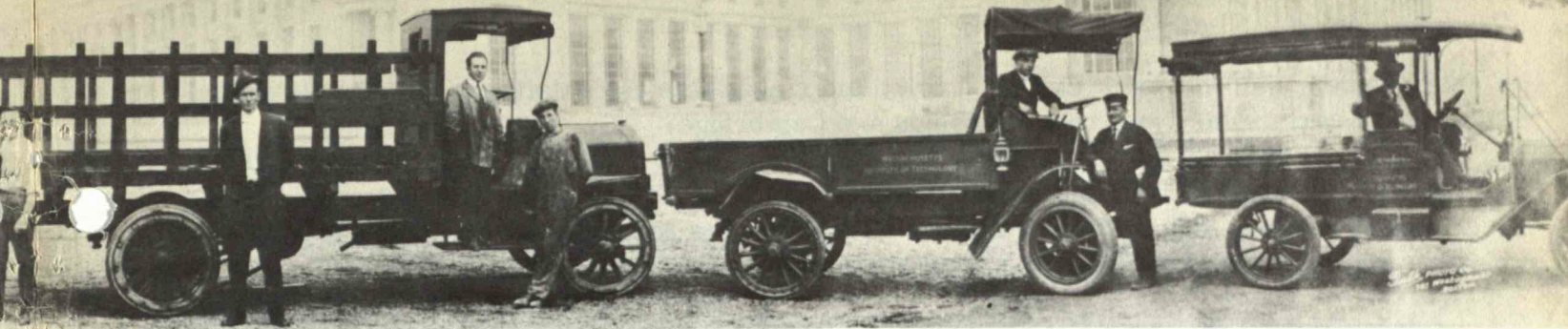
Cancelled: the annual match between the MIT Rugby Club and an organization known simply as Wall Street. "Hit by the recession," said Club manager, Prof. George Brown (Elec. Eng.), sadly. And he went on to explain that the men in grey flannel had actually folded because of a team-wide departure from their prior state of bachelorhood.



A bell for a belle

At Lowell Institute School commencement exercises on May 22, more than 100 busy nightschoolers received certificates for the intensive, two-year engineering courses. Among the graduates: George Catuna and Ralph Fraser (Lincoln Lab), Richard Sheaff and Irving Spiegel (Instrumentation) and Louis Ronsivalli (Food Tech).

Not long after VOO DOO presented MIT with a money tree, Debbie Mellor (now Mrs. Crowell) of Photo Service became the happy recipient of pre-wedding money bells. Constructed by the resourceful team of Caldron & Carlsson (Ozalid and Photostat Rooms), the lilac bower and bell were the gift of all hands in Photo Service. When Debbie suggested putting them on exhibition in the front office, someone expressed doubt about the safety of the currency. "Heck," said manager Conant, "we can always print more of it."



Moore (far right) leads parade to Cambridge in 1916

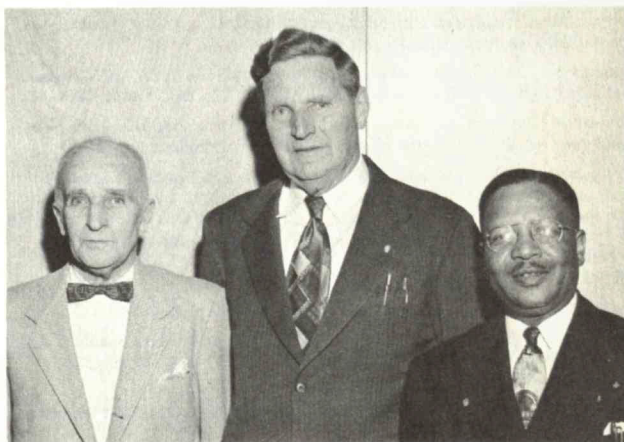
A SCORE AND MORE

This time it was more than punch. The Quarter Century Club, too, had a gathering in the Campus Room, and the cameraman who covered the event was hard put to separate the photos from the frolics that took place on that occasion. In the course of events, three retiring members were honored, and three more men who will retire this June (Tom Heyter, Ed Martin, Ed Bridges) were made honorary Club members for their long, but quarter-short, service to MIT. The 25-year men, all from Physical Plant:

Walter Baker. Long before MIT began hiring outside help to wash down such glassy specimens as the Auditorium and Compton Labs, one of the regular window washers broke his arm and Walter offered his services to fill in. That was in 1921, and Walter remembers that not many years later President Coolidge dropped in at MIT unexpectedly for a visit. Nicknamed "Two Gun Baker" after a popular policeman in Quincy, Walter grew up in Brockton, had his fill of tacks and shoe-nails at a very early age.

Al Moore. Currently supervisor of the Pipe (plumbing) Shop in Bldg. 30, Al reported to Boylston Street in 1913. In 1916 he drove one of the two-cylinder jobs that moved everything but giant lab apparatus from Boston to MIT's new home across the river (see picture above), watched the buildings go up one by one on their forests of tight-packed, wooden piles. Looking forward to a summer on Monomoscoy Island off Cape Cod, Al says there is one thing that will seem a bit odd at first. To get to work from his home in Winthrop (once 5 cents on the old narrow-gauge rail-road and 5 cents for the subway from Rose Wharf), Al says sentimentally that he has been "getting up at 5 in the morning for 46 years."

Eddie Petacci. Arriving in 1916, Master Plumber Petacci helped to patch things up in the Sugar Lab (Bldg. 2) some years ago when a big explosion blew out all the water lines. He has also been on deck for most of the natural catastrophes that have deluged MIT over the years. A long-time boater and angler, Eddie once received the Carnegie Medal for saving a child from drowning. That event took place on the Charles River while he was working on an MIT job fairly nearby. Undaunted by the heavy paraphernalia (including rubber boots) he happened to be wearing at the time, plumber Petacci plunged into the river in time to effect the rescue.



Left to right: Baker, Moore, and QCC president Tom Chambers. Missing: Petacci

HOAXPLORER IV

To the tune of Stars and Stripes Forever, followed by a solo trumpet playing taps, VOO DOO heralded their last issue of the year with a "test vehicle" -- complete with a man inside, they said -- to solve what they called "the re-entry problem." Said the announcer, "If plans go as

they should, and provided it can get through the ring of Russian satellites, the missile should return to earth somewhere between Boston and Cambridge."

Plans went almost as they should. The "man" (a mouse in a house attached to the tail of a huge balloon) disappeared spectacularly into the blue, took three turns around Sputnik III, and at a given moment high in the air was separated from his rubbery nose cone to float gently down, under a special red parachute, to a final resting place near the Hotel Statler.



He went that way

FOR SALE ETC.

Boat: 26' motor cruiser. 85 hp V-8 Ford, marine conversion. Double oak ribbed, cedar planked, copper and bronze fastened. No reasonable offer refused. A. Hollander, Ext. 2371.

12' outboard runabout with 15 hp Evinrude motor (1956). Good cond. \$300. J. Leach, Ext. 2213.

Bike for sale. Girl's Raleigh, like new. Original cost, \$75. Make reasonable offer. LA7-3612 (evgs).

Boy's heavy-duty 16" sidewalk bike with training wheels. \$10. Walt Kates, Ext. 814 (Lincoln).

AKC registered German Shepherd pups. Top blood line. Ext. 349 (Lincoln).

Polaroid land camera, model 95. Capacitor flash attachment. 3 years old, used 6-8 times. Asking \$60, will haggle. Don Leslie, Ext. 3451.

Rural mail box with stand used 1 year. Reasonable. Joan Sheff, Ext. 483 (Lincoln) or VO2-8596.

3 year old Norge gas drier (\$85) and/or washer (\$65). Good cond. Must sell because moving. 5 year old 3/4 Carrier air conditioner. \$75 or best offer. L. Gardner, Ext. 248 (Lincoln).

2-year old AKC registered German Shepherd. Already bred. Top blood lines. Reasonable. VO2-5701.

Westinghouse FM-AM radio. Used only 1 month. \$40. D. M. Kogure, 52-032, Ext. 155.

Eastman Kodak folding camera/ No.2A Hawk-Eye. F63, 127 mm. Needs some repairs. Helen Morgan, Ext. 3501 or HI4-9565.

Glenwood gas range, like new, \$60. Twin sized maple bedstead, \$10. 2 room sized rugs, \$8 each. Antique maple Boston rocker, \$25. Ext. 120 or CE5-6645.

IBM electric typewriter. Complete technical keyboard, 2 interchangeable keys (alpha, beta etc.), and half-space ratchet. \$225 or best offer. Ext. 2183.

Hi-Fi components for sale: Pilot HF-56 combination AM-FM tuner, pre-amp and 30 watt Williamson amplifier, perfect cond. Net \$239, 2 years ago. Sacrifice for \$110 including blonde cabinet. H.H. Scott 210-A 20 watt amplifier with tone controls. Net \$219, sell for \$40. Works very well, 5 years old. Jansen Electrostatic Tweeter, model 1-30-U. Perfect cond. \$115. T. Harrison, Ext. 4468 or UN8-7340.

26" girl's 1957 Schwinn bicycle. Slightly used. Best offer. EL4-0781.

Used appliances: 10 yr old Servel Gas refrig, \$10. Kenmore auto. washer, \$20. Both work fine. Also 2 yr old Whirlpool gas dryer, \$120. D. T. Ross, Ext. 2342 or VO2-4443.

5 angora kittens available for adoption. Miss Johnson, Ext. 3146 or TW3-0592 (evgs).

'46 Lincoln Continental coupe. Excellent cond. Thoroughly reconditioned. Mechanical history avail. \$1495. M. G. Craddock, Ext. 316 (Lincoln) or DAVIS 6-5197 (evgs).

'51 Anglia (2-dr English Ford). Ext. 2698 (ask for Bunny) or BR2-2281 after 6.

'51 Plymouth. R&H, snow tires. One owner. Ext. 2682 or MI3-4222.

'54 English Ford Zephyr. 4-dr, 6-cyl. Very good cond. \$700. L. P. Howland, Ext. 805.

'55 Chevy Bel-Air 2-dr hardtop. 33,000 miles, standard shift, 6 cyl, ww tires, recent brake job. Very economical. Snow tires & rear fender skirts included. R&H. \$1195. Roger Neal, Ext. 2578 of MI3-8577.

'55 Mercury 2-dr sedan. 50,000 miles. Exc cond. J. Hunter, Ext. 5544 (Lincoln).

'56 Buick Roadmaster 4-dr hardtop. Fully powered, R&H, defroster. 14,500 miles. \$1995. Ext 2100.

'57 blue Volkswagen. Excellent cond. A. J. Erickson, Ext. 2224 or Rm. 3-264.

Summer sublet. Furn apt at 558 Green St, near Central Sq. 3 BRs, K, bath. \$35/mo plus utils. Avail June 7-Sept 15. KI7-4791 after 5 p.m.

Furn apt for summer sublet. 3 rms & bath. 1st floor. Walking distance to M.I.T. and convenient to MTA. 36 Dana St. Wallace Ashnault, EL4-3848 (evgs). 3 rm furn apt for sublet July-Aug. \$18 wk. 154 Mt. Auburn, near Harv Sq. Miss Kimball, TR6-1126.

Basement apt for summer sublet (June 6-Sept 20). \$150/mo. LR, BR, K, bath. Very cool. 52 Joy St., Beacon Hill. RI2-3582.

Furn apt for rent. 2 lg rooms, full K and bath. Parking. 461 Beacon St, 1/2 block from Mass. Ave. \$125/mo. Avail June 15. Peter Calcaterra, Ext. 2309 or CO7-5349 (evgs).

Apt for rent. West Somerville. Avail immediately. Heated, unfurn. 3 rms. Near MTA & shopping areas & Rte 2 & 2A to Lincoln Lab. SO6-0191 after 5:30.

Apt for rent. West Medford. 5 rms, 1st floor. Screened porch, basement, fenced yard, parking, children welcome. Reasonable rent includes heat. Avail Aug. 15. HU8-2061.

House for sale. Cape in Kelwyn Manor, Arlington. LR, DR, cab, K, screened porch, on 1st floor; 2 BRs, sewing room, nursery, ceramic tile bath on second. Playroom & utility area in cellar, attached garage. Tree-shaded lot. Excellent neighborhood, convenient to M.I.T., schools, shopping, and trans. Owner asking \$17,900. Ext. 2344 or MI8-1635.

House for sale. New 7-rm ranch with garage. Cellar completely finished -- plastered, painted, with sectioned-off rooms (4), plus bath and fp. 15,000 sq. ft. located in Bedford, Rte. 4-25. Esther DiLuca, Ext. 842.

House for sale. Cambridge. Older 2-family house with small yard and in nice neighborhood. Convenient to shopping, MTA, and Harvard University. 7-8 rooms with screened porch. Price \$21,500. Mr. Holmes, EL4-0576.

House for sale. Small 3 bedroom ranch cape, attached garage and patio on 1/2 acre of land in scenic, woody Sudbury. Priced right for fast sale. R. MacInnis, HI3-2506.

Wanted for summer sublet by Harvard professor: cool house with grounds in nearby suburb, preferably with 1st floor bedroom and bath. Ext. 3645 (M.I.T.) or TR6-5591 (evgs).

Wanted: apt to sublet for month of August. For couple. Charlotte, Ext. 4278.

Wanted: lg refrig, 13-14 cu ft. Little or no freezer space. Nottingham, Ext. 815.

Wanted: pair of used golf clubs (man's). Ext. 3454.

Girl wanted to share apt in Boston. Rena Walters, Ext. 2828.

Young woman desires to care for children in her own home. SO6-0191 after 5:30 p.m.

Visiting professor wants furnished house or apt with 2 BRs close to elementary school, from Sept. 1 through Jan. 31. Replies to: Dr. D. S. Wood, Div. of Eng., California Institute of Technology, Pasadena, Cal.