

BUILDING BEGINS

The largest pile driver in the Boston Area --its boom stands 165 feet high--has been moved into MIT's East Parking Area preparatory to the setting of underpinnings for the new Earth Sciences Bldg. there.

So far, workmen have driven only four piles for use in deflection-elasticity tests.

Within the next few weeks, however, pile driving will get under way in earnest. All told, the giant machine will drive down 400 giant steel pipes, each reaching to a depth of 130 feet. Once in place, the pipes will be filled with concrete to form the finished piles.

The driver gained its present height in growing to meet the MIT requirement. Since the building will be 20 stories high--tallest in Cambridge--the piles must go down to the 130-foot level. But in order for the driver to set them that deep, its boom had to be extended with additional sections. Its 165-foot boom gives it a towering dominance over the landscape on this side of the Charles River.

The construction of the building is being carried out by the Turner Construction Co. and completion is scheduled for the summer of 1963.



The pile driver.

HOPING FOR SUCCESS

If the results of the call (see Tech Talk, Jan. 16) for O-Negative blood are any indication of the success of the coming MIT Blood Drive (March 13-16), our donations should far out-score the record high in 1956 of 946 pints.

During the last two weeks the Medical Department received 47 calls volunteering rare bloods, and at least 37 were O-Negative. 33 walking blood donors were needed for a member of the MIT community scheduled to have an emergency heart operation next month.

The MIT Blood Bank needs you, too, for last year we took out more than we put in. In 1961, 276 pints were donated, but 327 were withdrawn leaving a deficit of 51. Sometime in February all members of the MIT community will be contacted. Remember: Give to your MIT Blood Bank and make 1962 the record year.



Sarahann Wilson.

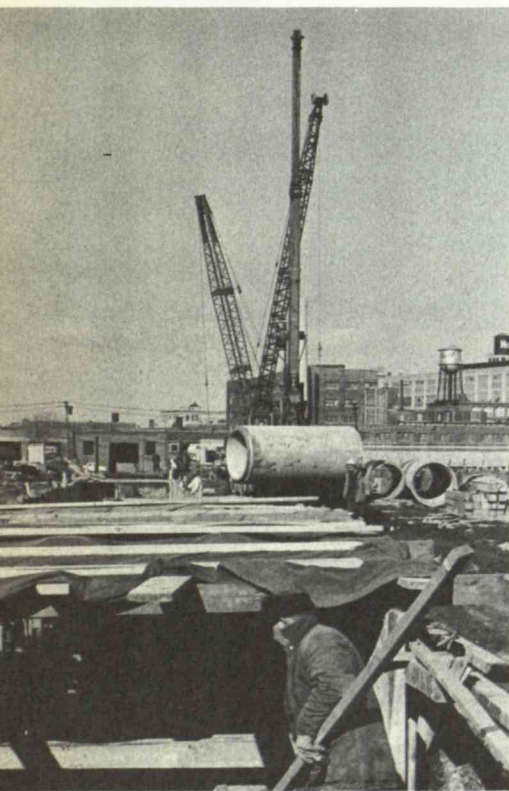
SKATERS' PARADISE

Anyone for ice skating? If so, you'll want to take advantage of extended general skating hours at the MIT ice rink that are in effect during the Institute's between-semester lull. Until second semester starts Feb. 5, the rink will be open for general skating from 10 a.m. to 4 p.m. and 6:15 p.m. to 11 p.m. weekdays.

Noontime general skating is available to any member of the MIT community with the purchase of an athletic card (\$10 a year). Even if you don't skate, you may want to watch. Regulars who use the ice frequently include a number of fancy performers, not the least of whom is Sarahann Wilson of the Magnet Laboratory. Sarahann has been skating since she was 2 and has several ribbons to show for it.

STUDIOUS SUPERS

Eighty MIT supervisors--40 from the main campus and Instrumentation Laboratory and 40 others from Lincoln Laboratory--recently went back to school. The occasion was a special course entitled "Principles of Supervisory Management" which was arranged for them by the Office of Personnel Relations. The course was taught by a staff from Northeastern University and was held--in multiple sections--weekday afternoons from 4:30 to 6 p.m. The material covered such subjects as policy, human relations and communications and was designed for "first line" supervisors such as foremen and others who directly supervise employees.



Installing water line.

COOLING IT

At the moment, pipes, cranes and bulldozers are occupying Briggs Field. Bond Brothers of Everett, Mass. is installing a 48-inch water line from the Charles River to the new National Magnet Laboratory on Albany Street.

Those magnets which will be used in the Laboratory--to be completed next year--become heated to very high temperatures and need to be cooled with distilled water. The line will make a loop carrying cool water from the river to the new laboratory where it will circulate around a tank of distilled water and be returned to the Charles. This process will cool the distilled water which in turn will cool the magnets. The water line is designed so that it is a gravity flow.

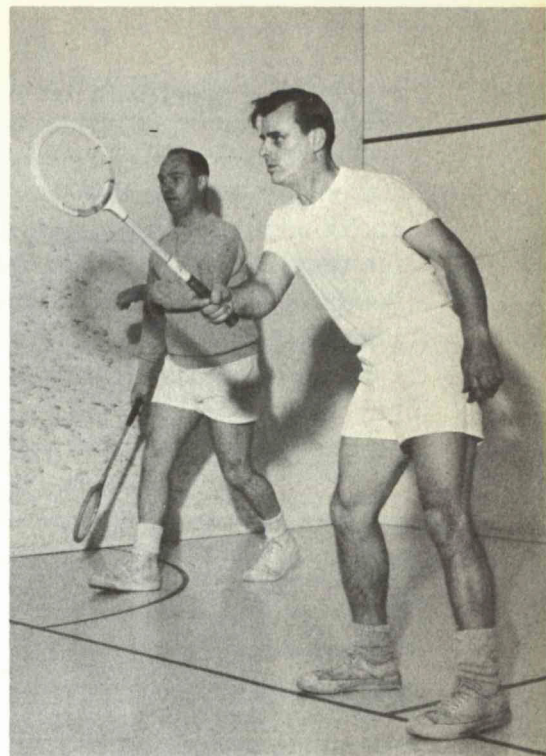
MIT is building the new laboratory under a contract from the United States Air Force Office of Scientific Research. The new National Magnet Laboratory will provide magnetic fields $2\frac{1}{2}$ times larger than those now available, and the research expected to develop will provide new information on the properties of materials. Director of the National Magnet Laboratory with temporary quarters in Bldg. W31 is Dr. Benjamin Lax who also heads the Solid State Physics Division of Lincoln Laboratory. Dr. Francis Bitter, Professor of Geophysics, is responsible for the design and construction of the new laboratory and is to head its scientific advisory board.

KEEPING IN SHAPE

Twenty-five MIT employes have found a way to keep in good shape this winter. They are battling each other on the squash courts at DuPont Athletic Center.

Two squash enthusiasts, Tony DiNapoli, Instrumentation Lab, and Mel Cabral of the National Magnet Lab are responsible for interesting the twenty-three other participants. Tony introduced the game to Mel a year ago and the two began playing with the hopes of getting in condition. Since, each has lost 25 pounds. Their enthusiasm spread to friends, and, with the help of Edward A. Crocker, varsity squash coach, Tony and Mel set up a squash ladder this fall. (Those lower on the ladder challenge players above them and, if they win, move up.)

Squash popularity has grown so that the men, who originally thought to play only during lunch hours, now come in week ends and after work. Others in the group are: Jack Freker, Charlie Gedraitis, Dan Lickly, Stan Plachowicz, John Gregory, Millard Prisant, Edward Mahoney, Don Follett, Dominic Fulginiti, Robert Dovidio, Ed Duggan, Steve Copps, Robert Balboni, Ricky McCaffrey, Robert Morse, Joseph Martori, Joseph Salani, Chick Smith, Tom Wiener, William Beaton, Ben Olson, and Grady Wheaton of Instrumentation and Ralph Scholl of Photo Service.



DiNapoli (foreground) and Cabral on squash court.

ATTENTION MAILERS

The U.S. Post Office has changed rules for second, third and fourth class mail. In essence, these classes will not be forwarded. Endorsements such as "Forwarding Postage Guaranteed", "Return Postage Guaranteed", and "Form 3547 Requested" have been replaced with the new phrase, "Return Requested". "Return Requested" provides undeliverable second, third or fourth class mail will be returned to sender and marked to show a new address or reason for nondelivery upon payment of a small fee.

THREE OF A KIND

Pretty and witty and sisters too! That's the three Morneault girls who are all secretaries here at MIT.

Diane (22), Arlene (20), and Beverly (18) live in Cambridge with their parents, another sister and three brothers. Diane, a secretary in the Purchasing Department of the Research Laboratory of Electronics, came here five years ago. Beverly became secretary to Walter A. Rosenblith, Professor of Electrical Engineering a year ago. Arlene took a job with the Medical Department last October.

The Morneault sisters seem to do things together. Recently they modeled for a local meeting of the International Ladies Garment Worker's Union. All three enjoy dancing, and, like many, have tried the twist. The girls have individual interests, too. Arlene is a skiing enthusiast. Diane, a traveller, spent the summer of 1960 in Europe with friends. Beverly is a member of Chi Rho, Catholic young people's organization, and serves as editor of the Club newspaper.



The Morneault sisters, (L. to r.) Diane, Arlene and Beverly.

LINCOLN LECTURES

Dr. Charles H. Townes, MIT's Provost, will give the seventh lecture in the Lincoln Decennial series, Tuesday (Feb. 6), at 8:00 p.m., in Kresge Auditorium. Dr. Townes will speak on masers (microwave amplification by stimulated emission of radiation). He holds the fundamental patent on the maser, a revolutionary electronic device that provides the first coherent oscillator in the optical and infrared regions and, as a low-noise amplifier, is finding many important applications in communications, radio astronomy, and radar. The Lincoln Decennial Lectures commemorate the 10th Anniversary of MIT's Lincoln Laboratory.

FOR SALE ETC.

Northland Master skis, 6'3", red & black, ebonite bottoms, safety bindings & straps incl. 1 pr Henke boots, size 7, poles too. Best offer. Call Phyllis after 5 pm. CO6-1957.

Pilot Model 240 stereo-amp, two 15 watt channels, like new w/guarantee card & enclosure. Cost \$135, need \$90. Call Joe, Lincoln ext. 5734.

GE Rangers, \$25 ea. Keith Burgess, 491-0532.

Women's ski boots, size 8. Mrs. Howe, ext. 737.

Pr. snow tires 8-15, exc cond. Best offer. Anthony Tamarrow. 6 Hinckley St., Somerville.

Assorted sterling silver bowls, candlesticks, etc. Wedding presents never used. EL4-1371.

Snow tires. Two 7.10-15, "General" brand. Black wall w/tubes. Bought last April, re-caps. \$22 for both. Contact Barry Roach, ext 3264 or CI7-8124 evgs.

7'3" skis, Head Master w/ Marker toe pieces & Dovre forward throw release bindings. John Prohaska, ext 2284.

Whirlpool ironer, deluxe size, new cond. Best offer. Ben Dores, ext 3531.

Typewriter, collector's item. Blickensderfen, No. 7, \$50. WA4-3987.

1 bicycle w/training wheels for child of 7, 8 or 9. Paid over \$30. Will sell for \$10. Call Mrs. Heiser, ext 4860.

Kentile asphalt tile, black marbilized. 1/8" styrene-reinforced factory-waxed 9"x9", 437 tiles for \$20. Leonard Andexler, ext 4215 or IV4-4496.

GE 48" dishwasher-sink combination in good condition, \$50. Auto. washing machine, \$15. DE2-7482 after 5 pm.

Used Underwood Standard Typewriter. Good cond, \$40. Lincoln ext 165.

Male and female older kittens. Well house-broken & attractive. Call Pat, ext 3833.

Two 6.70x15 black wall snow tires. Used one season, \$15. Call Barbara, ext 179.

FN Mauser sporting rifle in Win .270 caliber. Custom stock set trigger. Weaver K4 scope, \$110. Ext 4460.

'53 Chevy sedan, clean, good body & tires, reliable. \$100. CE5-1295 or ext 158.

'55 Ford, 2 dr sedan, shift, R&H, 4 new tires. Leaving area, must sell, \$300. Ext 4978 or UN4-3372, George Koo.

'57 Mercedes Benz, 220 S for sale. Call R. King, ext 3439.

'57 Hillman Minx, 4 dr black sedan, (R&H), \$450. Please call EL4-2763.

'58 red Porsche, speedster, 2 tops, AM-FM radio. Call ext 3426.

Sleeps 2, exc ski and camping wagon. Exceptional traction. '58 DKW Universal. Exhaustive overhaul. New engine, 9,000 mi ago. Low upkeep. Mayer, ext 3410 or 625-1495.

'60 Dodge Wagon, R&H, 6 cyl std trans, exc cond, 30K mi, ski rack, trailer hitch, snow tires, want new model. We both profit from private sale. Kingsbury, ext 2828.

'60 Peugeot, under 30,000 mi, ww's & snow tires, R&H, beautiful cond, \$1150. Call Velma Frank, VO2-6128.

'60 Ford Falcon, auto trans, R&H, 2 dr blue. Deluxe interior. \$1295 or best offer. Ruth Birtwell, ext 2186 or JU1-0281 evgs.

'60 Chevy convertible. Must sell, exc cond. A real dreamboat. Pete, ext 5173.

Simonds Hill, Lexington. Large Cape for sale, 3 BRs, 1 1/2 baths, family rm in basement, 2 fireplaces, glass-screen porch, attached garage w/expansion room over. Lg storage areas, forced HW heat. 10,000 sq.ft. Upper twenties. Ext 3907. Avail about Apr. 1.

3 BR ranch in Acton, furn, for rent. \$200/mo. Fireplace in LR, lg walnut panelled family rm, 1 1/2 baths, 2-car garage, nicely landscaped wooded lot. CO3-4960.

Unfurn 5 rm apt, West Newton. \$135/mo. Heat & hot water incl. Call Mr. McGoldrech BI4-7367 weekday evgs after 6 pm.

Unfurn apt on Harvard St. near Central Sq. Four spacious sunny rms, good floor plan. Avail Mar. 1. \$115/mo. Call UN4-2332.

Mod. studio apt. near Harvard Sq. Lg. LR w/built-in bookcase, kitchen w/stove, refrigerator w/freezer, garbage disposal. Two lg. sliding door closets. \$100/mo. Avail after Feb. 15. Call CR4-9500 ext 174 or UN4-5993 evgs. Ask for Judy.

Mod 3 rm furn apt for rent. Close to MTA and Coolidge Corner. Avail Feb. 1. Ext. 3833, Mrs. Cummings.

Rooms for male students or young working men, completely furn including K and TV room. \$10/weekly. Call Tinkham, ext 2806 or AL4-6835.

Wanted: Port-a-crib and playpen. S. Mauch, ext 2320 or TR6-1661.

Riders or car pool wanted, 8-5 pm. Wollaston or Quincy-MIT. PR3-5648.

Wanted: Seat and one rear wheel from otherwise dilapidated 12-inch tricycle. Ext 2342 or VO2-4443.

Exchange house and car in Sussex, England (25 mi. from London) for similar facilities in Boston during part of 1962. Ext 496 or KI7-9800.

Wanted: Riders to and from Brookline. Mon. thru Fri. Lenny Coris, ext 2110 or LO6-1874.

Wanted: Unfurn apt for May or June occupancy. M. Rice, Lincoln ext 412 or PA9-2354 evgs.

Wanted: Apt. w/preferably 1 rmmate (female) in Cambridge or Boston. Linda Holland, ext 5194.

Typing wanted: Will type technical or nontechnical theses and papers. Call Joyce Caldwell, ext 5173 (W6-360) or KI7-5397 evgs.

Wanted: Used or second-hand vacuum cleaner and folding ironing board. Call Barbara Garrelts, ext 3706 or 227-0712 evgs.

Wanted: used washing machine in good cond. Not prepared to pay more than \$50. Jan Morris, ext 2828.

Wanted: all sizes skis, poles and boots. New or old. Will pay good price. Contact R. Colier, University Ski Club. CO2-0440 days or evgs.

Married Graduate Students. Weekend dormitory desk jobs available at \$1.50 per hour. Some studying possible while working. Dave Roper, ext 4820 or CE7-0067.

Wanted: Gas clothes dryer in good working order. Call T. Tentler, ext 4458 or 491-3149.