



Workmen begin inaugural preparations in the Cage.

INAUGURATION PREVIEW

The MIT community will witness a very special event Friday, Oct. 7. At 10:30 a.m. in Rockwell Cage, Howard W. Johnson will be inaugurated as the 12th President of the Institute. Dr. Killian will preside and will present President Johnson with the symbol of his office, a copy of the MIT charter. Among those expected to greet the new President at the ceremony are Governor John Volpe, representing the Commonwealth, President Nathan Pusey of Harvard, representing American universities, and Dr. Pierre Aigrain, director of higher education in France, representing foreign universities.

Guests arriving on campus will notice a festive atmosphere. Several information booths will be evident and a large robing tent will be set up on Mass. Ave. in front of the Student Center for the inaugural delegates (including some 75 college presidents). The MIT Corporation, the delegates and our faculty will file in full regalia along the Student Center sidewalk leading to the Cage--under canopies in case of poor weather. Music that will fill the Cage will be provided by the MIT Concert Band and selected members of the Boston Symphony Orchestra, as well as the combined MIT Glee Club and Choral Society. Announcements will be circulated later about tickets.

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LIS ENTRANCE EXAMINATIONS

Ready to begin another year, its sixty-third, the Lowell Institute School once again offers tuition-free education to qualified persons employed in the Boston area. Dr. F.L. Foster, director (Room 5-113), has announced that entrance examinations will be held next Monday, Sept. 12, for those interested in the two-year mechanical and electrical courses. Classes start Sept. 23.

LIS graduates and others with proper preparation also may take advantage of supplementary courses offered for further specialization. No more applications will be received for the Computer Programming course (set to begin Sept. 26), but space is available in the two second semester supplementary courses, Optics and Semiconductors.

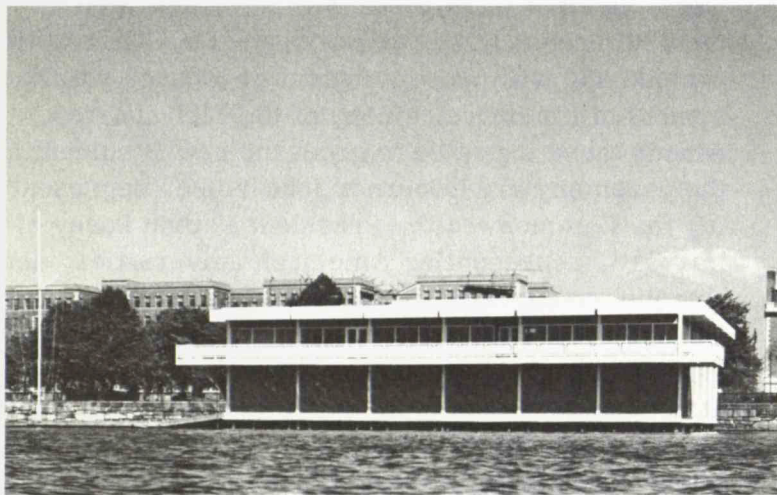
LIS is made possible by the Lowell Institute Foundation under the auspices of MIT. The student's only financial burden, aside from a \$5 registration fee per term, is the price of textbooks.

EDITORIAL REVISIONS

Few members of the Institute realize how many catalogs, posters, brochures, tickets, invitations and programs seen around the community are the products of one organization--the Office of Publications. Headed by newly-appointed William T. Struble, a staff of eight work long hours to keep pace with the increasing demands from MIT.

Bill came to MIT in 1959 as assistant director of Public Relations, appeared on the WGBH "MIT Science Reporter" program, edited MIT's "Reports on Research," and has been managing editor of "Technology Review" since 1964.

John I. Mattill, former director of publications, set high standards for his successor. He received on behalf of the staff numerous national and international awards for excellence in publication design and content. Such experience should come in handy in his new position, editor of "Technology Review."



The new Harold Whitworth Pierce Boathouse.

ROW, ROW, ROW...

Soon the area on the Charles River in front of Baker and Burton Houses will be alive with activity. Beginning with the dedication on Sept. 9, the Harold Whitworth Pierce Boat-house will swing into operation. The rowing center provides greatly expanded facilities, making it possible for the first time to include rowing in the students' regular physical education program and eventually in the Institute's recreational program.

A special feature of the boat-house is an unusual indoor rowing tank. Actually, it is a rowing simulator that reproduces virtually all rowing conditions our crews will encounter in competition. It is the finest of its kind and MIT's first indoor practice facility. A 450-horsepower pump pushes water past a stationary 8-man frame in the tank at up to 13 miles per hour, allowing the crew to achieve 34 to 38 strokes per minute (Olympic racing speed). Indoor practice during the winter should bring trophies in the spring.

NEW ARRIVALS

MIT's new president will welcome 925 new freshmen to the campus Sept. 14, as the Class of 1970 meets in Kresge Auditorium. President Howard W. Johnson will address students from 47 states and 24 foreign countries before they begin the whirlwind of activities that comprise Freshman Weekend.

The new crop of Freshmen, harvested from the top 10% of their high school classes, showed an increase in College Entrance exam scores, as has been the trend in recent years. More than half scored 750 or better in mathematics aptitude. Language was no barrier either. The Class scored a median of 690 on the verbal test. Approximately a third of the 876 boys and 49 girls have already received advanced placement in mathematics, physics or chemistry on the basis of their high school work or college level work done in high school.

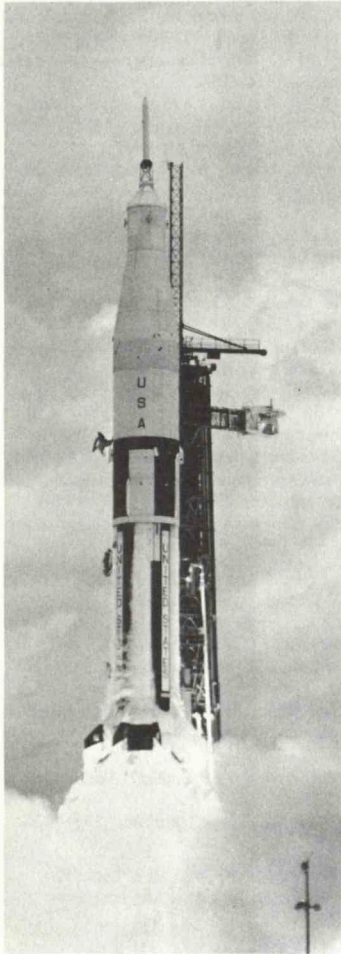
Class members hail from 551 public, 115 independent or church-related, and 36 foreign schools, where 196 won varsity athletic letters and 224 bolstered the editorial staff of the school newspaper. The number of high school class officers is up 30% over last year's total.

Sixty-five percent are receiving loans or scholarships. No applicant for aid was refused

enough assistance to cover his or her established need.

Freshmen who claim association with the Institute through parents and other relatives number about 13% of the total. Professors Covert, Kingery and Leehey, all graduates and members of the faculty, will be joined on campus by their sons, David H. Covert, William D. Kingery, Jr., and Patrick M. Leehey.

Concluding Freshman Weekend festivities will be a reception at the President's House Sunday where President and Mrs. Johnson will greet the freshmen and their parents.



Apollo 202 at launch.

SOARING SUCCESS

The smiling expressions worn on faces at the Instrumentation Lab last Thursday, Aug. 25, were the result of a very happy occurrence. The first test flight of Apollo's guidance and navigation system, designed here at MIT, was completed successfully. In fact, the performance of the guidance system was so accurate that when Apollo 202 reentered the earth's atmosphere and began radio blackout, it was right on path. At the post-launch press conference, John Hodge, director of mission control at NASA-Houston, specifically mentioned that the 202 vehicle had been set up perfectly for reentry.

Tech Talk would very much like to list the names of all MIT personnel who worked on Apollo. Naturally this is impossible, for there have been well over 500 people employed on the project over the past five years. However, several names deserve to be mentioned, although the list is far from complete. These include Dave Hoag, director of the program, Ralph Ragan, director of NASA programs at IL, and Milt Trageser, former director of Apollo and now advanced technology director of IL. Others who have made important contributions are: Ed Hall, John Miller, John Nugent, Mike Sapuppo and Jim Sitomer for the inertial measurement unit; Phil Bowditch and Alex Koso for optics; Ain Laats and Len Wilk for testing; Ray Alonso, Eldon Hall and Al Hopkins for the computer; Dick Battin, Ed Copps, John Dahlen, Alex Kosmala, Dan Lickly, Tom Lawton and Charlie Muntz for system analysis and programming; Jim Flanders at Cape Kennedy and Tom Hempker at North American Aviation in Downey, Calif., for test operations. These are just a few of the MIT/IL men the astronauts will thank when

they complete their round trip to the moon.

DISTINGUISHED VISITOR

Parked briefly in front of the fire hydrant near the main entrance was one of the best moving publicity stunts to visit the Institute in a long time. A mahogany boat body mounted on the venerable chassis of a Rolls Royce proclaimed an exhibit of English brass rubbings now displayed in a Boston gallery. The driver of the remarkable vehicle said the exhibit will travel on to New York, then to Texas, "if the car holds up."



A nautical roadrunner.

FOR SALE, ETC.

- Table, 4 chairs, \$35. 864-4393, evenings.
 Free: 4 irresistible kittens, wh & grey, 6 wks old. Ellis, x7549 Linc.
 Mattress, drapes, vanity, TV, lamps, other items. 358-2156.
 Five pc BR set, \$80, 5 pc DR set, \$20, desk, \$20, port TV, \$60, '59 Dodge
 convert, \$200 before Oct. 1. Schieber, x5586 or 6972.
 Oval rug, 8x7, br new, neutral color, will haggle. 868-9783.
 Riccar 206B sewing mach, br new, 25 yr warrnty, free lessons, Alston,
 x2627 or 868-2684.
 Sm table, wr iron bkcase, red 9x12 rug, br new, best offer. x5791 or 354-1984.
 Columbia hi-fi; portable comb recd player & radio. x6083 or 643-3548.
 Spinet piano, 1948 Cable-Nelson, exc cond, \$ 300 or best offer. x3396.
 Heathkit Mohawk recvr w spkr, EV 729SR mike. Ken, x3975.
 Comm receiver Hallicrafter S/38C, \$35. Groneman, x2166.
 Sunbeam mixmstr, chrome, alum, bowls, blind attach, Bill Sturns, x5411.
 Co-ax spkrs, 15" No. 603B Altec Lansing. M. Leis, x5411.
 Sealtp Siamese kittens, exc pedigree, Newton line, sire English champ. Dick,
 x3165 or 653-8189 evenings.
 Yamaha 80cc, 1965, 4,000 mi, \$250. Greg, x3217 or CI 7-8048.
 Eng. 3-spd bike; propane 2 burner camping stove. N. Gourley, x4541.
 G.E. dishwasher, new pump, \$55; 12x15 Orient rug, \$35; K table, \$15; chairs,
 \$1 each; other items & large desk, \$20. 332-9554 after Sept. 9.
 Stop watch, 30 sec, Swiss made, \$7.50. xl518.
 Guitars, amps, drums, organs. Also \$1500 worth of music for \$20-\$25.
 Ralph, x5006 or 396-8145 evenings.
 Tank set, BC603 recvr w dynmotor, exc cond; Heath GW-10 CB, \$40. Bob, x2593
 Classical guitar, good tone, \$50. x 2798 or 489-0478.
 Sofa bed, \$40; tbls, \$4 & \$7; cab sew mach, \$40; bkcase, \$20; 3/4 matt, \$6.
 Call 643-8288.
 Dacron sleeping bag, \$4; nylon shell, extra liner, \$30. x2559 or 354-9691.
 Goya 6-str folk guitar with case, \$40. Griffin, x2710.
 Green couch, redecorated, \$25. Jeannette Rizzo, x7292, Linc.
 Scott LT-112 Solid State tuner, wired by technician, aligned by Scott. Same as
 312B which sells for \$280. Your price \$160. Betsey, x3738 or 926-2677 eves.
 Honda '64, 250 scrambler, 7,800 mi, best offer. 235-2326 after 6 p.m.
 Complete LR furniture, best offer. x6083.
 Swing-o-matic swing, \$5; infant seat, \$2; baby recliner, \$3; bassinet matt, nurser
 w bottles, caps, expander. Betty, 324-1276.
 Free: mature fluffy spayed fem cat, tr and affec. x4487.
 Size 9D shoes, cordovans, tan and slippers; sz 9 1/2 loafers, best offer. x3757.
 White poodle puppies. Call KE 6-6329.
 RCA Whirlpool comb washer-dryer, yellow, best model, 4 yrs old, looks brand
 new, transmission noisy, \$30. Bill Ryan, x6559 or 5476.
 Orig oil pntngs by John L. Condon. Reas prices. Portrait wk done from life or
 photos. Call 484-7084.
 Round DR table w 6 chairs, \$40. Call Mrs. Hill, 625-4150.
 Rare & affec Burmese kittens w exc pedigree; also free kittens 6 wks old. 259-8462.
 Drapes, red & beige print, 8 panels, 44"x58" lined, perf cond. C.Price, x6107.
 AKC German shepherd pups, fe \$40, m \$65. xl202 or 256-7582.
 Hotpoint refrig, 7 cu ft, \$25. 275-8731.
 Kimball up piano, exc tone, lg desk, fluoresc desk lamp, arm chair, beige 8x10
 rug, elec fan. Must sell now. 267-3163.
 Morgan 34' sloop, new, sleeps 6, working & racing sails, telephone & Phatheometer,
 \$22,500. Avail w or without sail & extras at reduced rate. x7596 Linc.
 K set, formica top, \$25; auto washer, 6 yrs old, \$35; Admiral 27" TV, needs pic
 tube, best offer. FA 5-9236.
 Exacta VX 35MM SLR camera F/2.8, PS lens; Bushnell televar 350-650 MM tele-
 photo lens; Wiston master II lt mtr; was \$440, now \$100. Bruce, x4710.
 Single box spr & foam matt, gd cond, \$50; Blonder-Tongue FM tuner, \$20. x5957.
 Snow tires, used one season, 6.50 x 13, \$20 pr. Call x2713.
 Honda '66, scrambler, 305cc, exc cond, best offer. Norm, x3584.
 Man's English 3-spd bike, \$30. x4183.
 Maternity clothes, size 10, very reasonable. 489-2899 evenings.
 GE apt size stove, clean, good cond, \$25. x7169 Linc.
 RCA CT100 Color TV, needs some work, \$50 or best offer; GE 20" TV, needs
 pic tube, \$8; 1006 turntbl, \$20; Heath mono preamp, \$7; stereo amp. x7757 Linc.
 Yamaha, 1966, take over payments, Jim, 646-0241 after 6.
 Sm steel desk w bkcases, typewr sec, drawers, exc cond, \$35. '59 VW, exc, \$550;
 Will store your sm piano in my apt free, will pay move cost. x5774.
 Armless couch, \$25; beige uphol ch, \$15, wooden swiv ch, \$15; or best offer.
 Call 547-7472 or x5578.
 Dehumidifier, room size, Westinghouse, \$40. Dave Ham, x5922.
 TRC 2 Walkie-Talkies, range of 2-3 miles, \$40. Andy, x4695 or 933-5413.
 Ham gear, Lafayette He-45B W/HE-61 VFO Saturn 6 halo and bumper mount, \$65;
 2 ART 13 trans, \$20 each; recvr, 0.2 to 20 mc coverage, \$40. 272-1271.
 Short wave radio, Lafayette, KP-200, \$50. Sergio, x4691.
 Parking space sublet, cor Linden & Garner Sts, Allston; VW snow tires, new,
 \$32. Oscar, x6728.
 '53 Arnold-MG convert, body by Bertone, MG eng. John Green, xl521.
 '55 Jeep, all-weather funmobile, gd cond. 876-7928.
 '55 Chevy, 2 dr, 6 cyl, std, all new under hood, \$75 or best. John, x6047.
 '55 Chevy, 2 dr sedan, exc cond, gd tires, r&h, \$125. Parissis, x5943.
 '56 Ford sta wagon, 4 dr, r&h, runs well, \$100. Also '64 Honda 305 Super
 Hawk, less than 2k mi, \$500 or best offer. 868-8524 evenings.
- '57 Chevy, good cond, \$100. Yacoby, x6854.
 '58 Ford country sedan sta wgn, \$150 or best; Toro Power handle w 25" reel
 type mower, \$45. x3933.
 '58 T-Bird: Will swap for boat and trailer. Mike, x6058.
 '59 Hillman convert, red, 45k mi, needs body wk, runs fine, \$59. x4709
 '59 Plymouth sedan, new tires, \$225. Guernsey, x3306.
 '60 Fiat 1200 roadster, gd mech cond, \$600 or best offer. Steve, x2540.
 '60 Peugeot, like new, s-roof, 4 new tires, low mi, rebuilt eng. \$500 or best
 offer. x3123.
 '60 Rambler super sta wgn, \$200 or best offer. x3472.
 '60 Corvette convert, black, new eng, good cond, \$1500 or best. Sophia, xl388
 or 729-0557.
 '60 Rambler, 4 dr, 6 cyl, \$250. Fred, x5137.
 '60 Cadillac, 4 dr hardtop, good run cond, \$1325. 323-7068.
 '60 Chevy, 4 dr, std, perf cond, \$450. DR set, round tbl, 7 chs, sideboard
 serv table; piano, \$35; Spool bed, matching furn. 923-1195 or 864-0074.
 '60 Valiant, 4 dr sedan, std, exc cond, \$450. Travel case for sm pet, never
 used, \$15; adj ski rack, \$8; misc furn. AL 4-8187.
 '61 Ford Falcon, 6 cyl, auto trans, r&h, good cond, 2 exc sno tires, \$400.
 Sandy, x2168.
 '61 Peugeot sta wgn, best offer. Ernie, 846-6293 after 6 p.m.
 '62 Renault Dauphine Delux, r&h, ww tires, 18k mi, orig owner, exc cond,
 \$250. T.S. Huang, x2570.
 '62 Plymouth Valiant, 30k mi, vg cond, air cond, auto trans, pwr str, r&h,
 2 sno tires, \$650. Can be seen at M.I.T. x2232 or 484-6033.
 '62 Renault Gordini, good cond, 4 on the floor, clean, \$150 or best. x6788.
 '62 VW, exc cond, r&h, ww's, Reichenbacher, x5411 or 646-1761.
 '63 VW sedan, 31k mi, exc cond, \$900. Dreyfus, x2643 or 491-4928.
 '63 Falcon Futura std, 30k, 4 dr sedan. Ashok, 547-9032.
 '63 Fairlane sta wgn, exc cond, 45k, \$1200 or best offer. x2509 or 734-8083.
 '63 VW sedan, r&h, 21k mi, like new, \$1095. D. Klatt, x3201.
 '63 Chevy Corvair Monza convert, exc cond, M. Barney, x7159 Linc.
 '64 VW w sunroof. 923-0639.
 '64 Austin-Healey 3000 Mark III, fully equipped, good cond. Al, x5464.
 '65 Ford Falcon, 4 dr sedan, 4700 mi, exc cond. Khusro, \$6623 or PR 6-9677.
 '65 Mustang, 8 cyl, R&H, new ww's, low mi, exc cond, \$1750. Martha, x3525.
 '65 VW, 9 passenger wgn, exc cond, \$1545. Bob B., x2255.
 '66 Thunderbird Landau, white vinyl top, fully powered, \$4500 or best offer,
 call 923-8922.
- White Mt. farmhouse, summer & winter rental, all util, furn, John, x3986.
 Arl Hts, immac 6 rm Dutch colonial, 3 BR, low taxes, \$22,500. x3432.
 Arl, 4 BR, lease furn or unfurn, avail Sept 1 or Sept 15. Walker, xl303
 Bay St Rd, furn studio, avail immed, \$25/wk, Mrs Copen, 536-1856.
 Littleton, 3BR ranch, lg LR w fp, pic wndw, DR, pine-paneled K, 2/3
 acre lot, \$17,500. R. Davis, x4211.
 Townsend, 7 rm house, 2 car gar, alum wndws, \$13,100 firm. Rogers, x7863 Linc.
 Arl-Lex line, furn apt, 3 1/2 rm, air cond, swim pool, 1 yr sub-lease, avail
 mid-Sept. MI 8-7338 evenings.
 Furn apt 2 min from MIT overlooking river, conv to shopping, trans, suitable
 for 2. UN 4-4768.
 Somerville, 4 rm, unfurn, tile bath, rec renovated, avail immed, 776-0870.
 Allston, 5 rm apt on trans line, \$75/mo. 254-7704.
- Wanted: daytime babysitter for 5 mos old girl. 646-7605 after Sept 18.
 Wanted: babysitting at my home; also, for sale, dbl bed w box spring &
 matt, good cond. x3707 or 868-0180.
 Wanted: ride from Brockton-MIT daily. x3501.
 Wanted: babysitting, Tues and Thurs. 734-1240 evenings.
 Wanted: fem rmmate to share Beacon St apt w 2 others. Donna, 262-0923 eves.
 Wanted: male rmmate to share 3BR apt nr Harv Sq w 2 grad stu. \$50/mo.
 Jack, x6855 or 864-8155.
 Wanted: bicycle, cheap and woman's preferably. Noralou, x6622.
 Wanted: babysitter in my home, 3-4 hrs per day, Sept-June. Barbara, 734-6947.
 Wanted: ride from Burlington-MIT 8-4:30 or will share ride. Gene, x2440.
 Wanted: to join or start all driver car pool from Saugus to Albany St, 8 to 5
 daily, Dick Schultz, x6437.
 Wanted: ride from Wakefield-MIT, 8-4:30. Doug, x6063.
 Will give Spanish lessons during day or evening. Sandra, 267-2451 after 5.
 Wanted: typewriter, portable or standard. Ken, xl541.
 Wanted: thesis typing. x2561.
 Wanted: ride from 128, Lexington, to MIT, 8-4:30. Wally Crowe, x6350.
 Wanted: someone w some painting exp to help w ext pntng of home. x6115.
 Wanted: ride to and frm Everett to MIT daily, 9-5. Jean, x2741.
 Wanted: cement mixer. Howard, x3507.
 Wanted: child care in my home, Cambridge. 868-0180.
 Graphs and charts drawn for theses. 245-5296 after 7 p.m.
 Wanted: man's and woman's lightweight bicycles. Jerry, x2553.
 Wanted: ride from Winthrop to MIT daily, 9-5. x2362.
 Wanted: typing--books, theses, etc. Jean, x4406 or 662-8390.
 Wanted: ride from Arlington (nr center) to MIT, mornings only. Michelle,
 x2695.
 Wanted: ride from E. Lynn to MIT daily, 9-5. Donna, x4111.