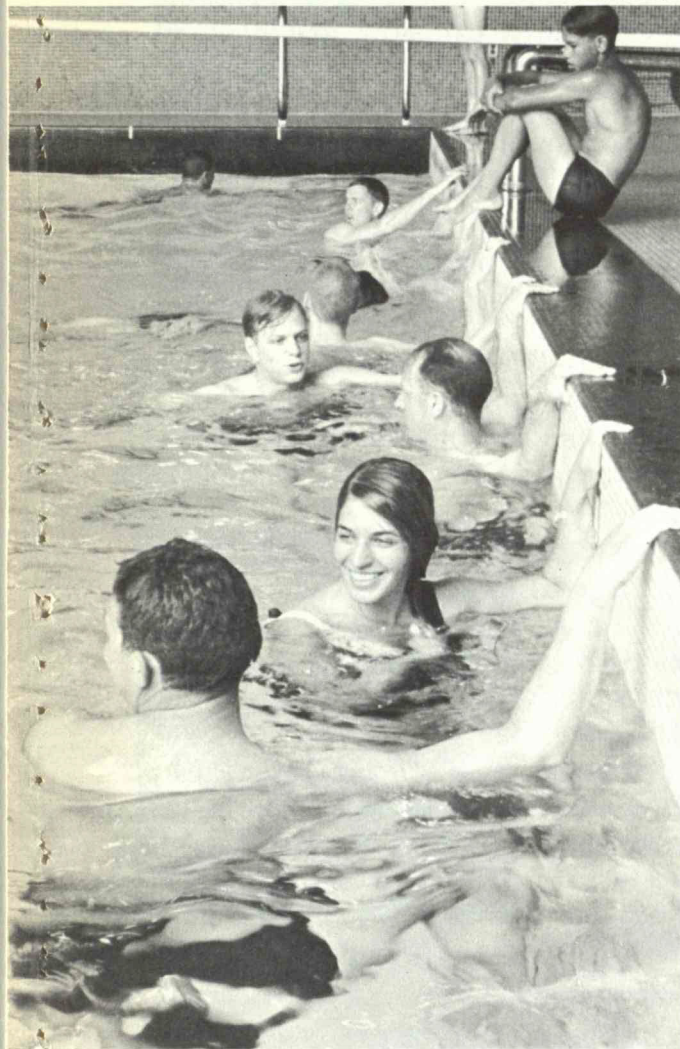


TT Photo by Bob Lyon



The populous pool

COOL, CLEAR WATER

On a sizzling July day when the Institute closed at 2:30, the swimming pool staff doled out 779 bathing suits to people who hadn't brought their own. One bystander described the crowd as "clinging to the pool sides like bats."

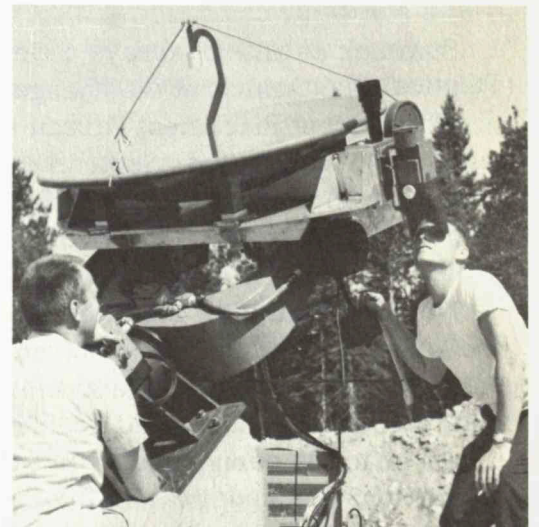
MIT day campers use the pool every day. On the regular schedule is mixed swimming: 6:30 - 8 p.m. on Mondays, 12:30-1:45 p.m., Tuesdays through Fridays and 2-5 p.m., Saturdays. (On August 16, Tuesday to Friday hours will change to 12 noon through 2 p.m. and there will be mixed swimming from 6:30 to 8 on Thursday evenings.) Family swim hours are on Friday from 4:30 to 8 p.m.

According to the laundry count for suits, approximately 3,450 people have been swimming this month. That doesn't count the sunbathers on the lawn outside. Guards say there've been a few girls in Bikinis "who've really brightened up the pool."

LINCOLN LAB AT SOLAR ECLIPSE

A team of fourteen people from Lincoln Lab's Divisions 3, 7 and 8, led by Dr. J. W. Meyer and J. H. Chisholm, observed the solar eclipse from a gravel pit near Bingham, Maine. They made both optical and radio observations as the phenomenon occurred. During an eclipse, the moon acts as a shut-

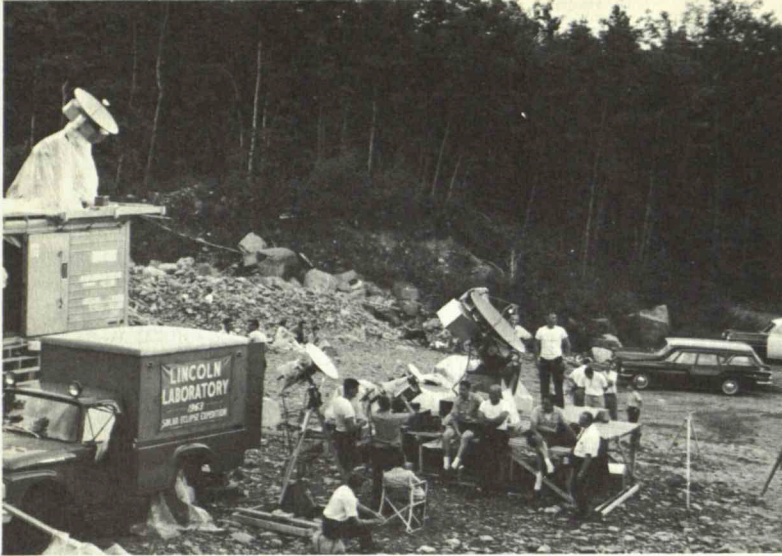
TT Photo by Albert Tufts



R. L. Tillery (rt) of Lincoln's Photo Lab makes movies while R. P. Ingalls of Radio Propagation mans X-band radiometer

ter to mask the overwhelming light and radiation from the main body of the sun, and scientists can study solar characteristics that are almost impossible to observe under normal conditions. While optical astronomers have been able to partially simulate this masking effect to obtain photos of the corona, radio astronomers have been unsuccessful to date.

Lincoln scientists, using X-band, 8mm and 4 mm radiometers, took advantage of the eclipse to try to measure radio radiation from the outer chromosphere



Gathered in Maine -- Lincoln Lab solar eclipse expedition

and coronal layers at these wavelenths. This radiation can best be measured during totality when the moon obscures strong radiation from the photosphere.

Lincoln Lab's Photo Lab staff made optical observations and photos by a remote-control television camera, movie cameras, and modified, still cameras.

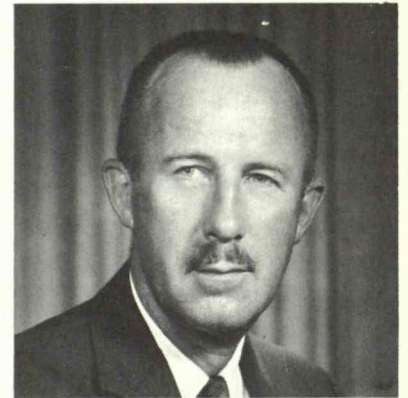
Equipment for these observations was moved to Maine on several trucks and a flat bed trailer. Radiometers and their associated equipment were powered by portable diesel generators.

In spite of heavy rain clouds which covered the sun during totality of the eclipse, scientists say an initial

glance at the results of the experiments indicates some promising information will be forthcoming from the radio measurements. And optical observations were successful up to the time when it clouded up.

IN MEMORIAM

In the Registrar's Office, in Admissions, as Personnel Officer, as Assistant to the President and finally as Secretary of the Institute, Bob Kimball had devoted most of his energy during the past thirty years to MIT. While Director of the Division of Business Administration he did much of the planning for Kresge Auditorium, the Chapel and other buildings. He was a key man in the Second Century Fund campaign. He knew the Institute just about as well as anyone, and everyone knew him. His death on July 24 came as a shock to MIT, and he will be missed.



R. M. Kimball

Photo by A.I. Peone

ON THE MOVE

Summer at MIT is always a time for renovations. This year, according to Don Whiston (Physical Plant), most of the changes are moves.

The Student Placement Bureau will be moved from Building 1 to Building 24 in time for the beginning of business in September. In its place will go civil engineering offices and labs. The physics stockroom will be switched from Building 6 to the third floor of Building 4 to make more room for offices. Physical Plant's Glass and Shade Shop will be replaced in 2-077 by a portion of the Chemistry Department.

New inhabitants of the Armory are members of the Planning Office on the second floor. Soon Jim Murphy, assistant superintendent of building services, will have his office there, too. The Hobby Shop is slated for the Armory basement. Sometime in the future the Athletic Department will have a lounge and conference room on the first floor.

An office is being readied in 5-108 for Mrs. Victor Mattfeld, the new Dean of Women, and renovations are underway in the President's Office. Sixty sycamore trees at the edge of Kresge plaza were moved to Amherst Alley behind Burton House; trees from the main parking lot to the west end of Briggs Field.



Pretty Chemical Engineering visitor (above) was in group of 30 students from Stockholm's Royal Institute of Technology who spent a day here recently.



Instrumentation Lab Apollo mooncraft guidance work will be part of an NBC-TV documentary Sept. 17. An NBC crew was at the Lab W-7 Bldg. recently making film for the program. Shown is cameraman (rt) filming technician Paul Kelley as he welds miniature components using a microscope.

NEW CU SERVICE

The Board of Directors of the MIT Credit Union has announced that effective September 1, 1963, all loans will be insured against the death of the borrower in an amount equal to the unpaid balance at the time of death.

To offset the cost of this added service, it will be necessary to raise the interest rate on new loans from .6% to .65% per month on the unpaid balance, also to be effective on the first of September. A schedule showing the amount of the added cost will be available shortly in the Credit Union office (14-0631).

The Board of Directors has also declared a semi-annual dividend payment at the rate of 4% annually on share holdings accumulated to June 30, 1963.



Josef Jacquart, console operator in Data Processing, displays IBM cards

WHERE ARE YOU?

Before the advent of the Comptroller's Data Processing Office, it was pretty difficult for the Institute to keep pace with changes in names and addresses. Since July 1962 the computer system has been underway. Information can be stored on IBM cards and used for mailing purposes -- distribution of checks and check stubs and notices.

Material to be updated shortly is the room number, home address and educational background of everyone on the 15th of the month payroll. Forms requesting this information have been distributed.

Statistics from this survey will be useful to the Personnel Office as well in their mailings to notify people of eligibility for group life insurance, pension plans, voluntary physicals and the like.

To speed the updating, the Accounting Office would appreciate return of the questionnaires to your supervisors during the first week in August.

FOR SALE, ETC.

BC348 surplus conv short wave receiver. Phil Gustafson, ext 752 or IV4-3816.
 1 or 2 Hollywood twin beds, prac new; also spreads, drapes, curtains, end table, scatter rugs, misses clothing, sizes 10, 12, 14. M13-0094.
 Almost new, little used Kodak Retina III auto camera. \$88. Moor, ext 3117.
 Smith-Corona clipper port typewriter, exc cond, \$40. M. Simon, ext 3733 or CA7-8683.
 Antique pump organ, good cond, best offer. Also 3 rms maple furn, will sell separately, best offer. 923-9573 evgs.
 LR set: sofa, 2 chrs, hassock, \$75; RCA AM-FM R, record chgr and TV in mahog console, \$70; coffee table, \$10; Admiral refrig, \$35; office desk, chair, \$20. All avail mid-August. Call Raffi, ext 2279 or 547-6573.
 Man's wet suit, about \$30, medium size. Miss Petone, ext 2570.
 Transistorized 20watt marine transceiver and whip antenna, 4 trans channels, operates on 12 volt external battery, range 70-100 miles, \$80. Duxton, 267-4579 evgs.
 Used oil burner, 275 gal oil tank, relays and pipes, best offer. Roy Waggoner, ext 4027.
 Olympia port typewriter, 2 yrs old, \$50 or best offer. Ext 4071.
 Lady's Schick, or will swap for hair dryer. TR6-9448.
 2 pedigreed male beagles, \$25 each, 8 wks old. Pat, ext 30-464 or TR6-0209.
 Low square table, \$10 fluorescent desk lamp, \$8; elec hammer, \$15; lawn mower, \$30. George Manna, ext 718 or EX6-2976 evgs.
 AMC elec refrig, \$25; Bengal gas stove, 4 burner, \$50. M16-7765.
 Tape recorder, fully auto operation, not hi fi, \$35. Gus Heilm, ext 7448 Lincoln.
 Dble bed with l.s. mattress, \$18; sgle bed, \$7; TV with aerial and earset, \$60; dissecting kit, like new, \$4.50. Also '56 Chev wagon, R&H, snow tires, \$325. R. Stanhope, ext 3116 or 643-6394 evgs.
 Upright piano. TR6-9150 evgs.
 Bed, box spring, mattress, frame, wonderful sleep. Abby, ext 3119.
 Guitar lessons, folk, blues, rock and roll, \$2 per hour. Wanted: saxophonist, pianist, vocalist for rock and roll band. Peter, M18-9326.
 Fireplace equip, tables, chairs, lamps, full size rugs and scatters, assorted sizes, colors of marble, curtains, drapes, bookcases, desk, glasses, dishes, cornices, K ware, sm elec appliances. B14-6817.
 BR set, good cond, dble bed, Sealy spring mattress, chest of drawers, dressing table with lg mirror, \$70. Bill Clark, 2 Clinton, Cambridge. EL4-0131.
 McKean 10 ft sailing pram, seagull outboard, trailer, \$250; Leica M3, F2 Summicron telephoto and accessories, \$275. For rent: 4 BR house, fully furn, Winchester, Sept 7-Jan 1, family only, \$225/mo. Ext 3208 or 729-0365.
 Singer Spartan sewing machine, console model, 2 yrs old, perfect cond, list price, \$94.50, yours for \$65. Upright piano is yours if you take it away. Betty Reynolds, ext 711.
 Two bookcases, \$15 and \$7. Ext 2398 or VO2-8519.
 Wharfedale 12" spkrs in lg, walnut cab and 3" tweeter with crossover, exc sound, \$180. Mary, ext 5434 or 5442.
 Maple single bed with mattress and spring. WA4-7194.
 Easy chair, \$15; 3 beds, \$25 ea; 2 sofa beds, \$35 ea; floor model TV, 20", \$40; table model TV, \$35; TV table, \$10; coffee table, \$15. M.A. Hoffman, ext 4923 or EL4-7296.
 Singer sewing machine and cabinet, \$30. 643-2664.
 Transistor tape recorder, 8 1/2" x 6" x 2 3/4", \$10; 16 gauge bolt action shot gun, \$20. D. Dewey, ext 82201.
 Colonial couch convert into dble bed; bookcase, coffee table, redwood chest 3 drawers, dining set, children's table with 2 chairs, hathnette, beige rug 9' x 12', 5-drawer chest, dble bed with bookcase hboard, youth bed, toy chest, small rug, refrig; Norge washing mach, \$25; glassware. All in good cond, prices extremely reasonable. Moving to Europe, must sell all. 876-1912.
 Stereo 3 D camera, Universal stere-al model with lthr case and flash attachment, \$25. AL4-8187 evgs.
 Child's feed thle, \$10; maple dble bed framework, \$10; cane bedside table and 1 chair, \$10; mahog DR table and 6 chairs, \$65; lg chest of drawers, \$12. 969-6174.
 Piano, \$25 or make offer. Wanted: furn apt, Marblehead area, Sept 1-Oct 15. Nathan, ext 820 or BE2-2082.
 Kitchen set, table, 4 chairs, in good cond. best offer, call after 6, WA4-5656.
 Female blue-point Siamese cat, yr old, free. M18-0093 after 7.
 Furn for sale: dressers, couch, chairs, end tables, 9 x 12 rug, bkcases, DR table & 5 chairs, desk, curtains etc. Best offer. Call ext. 3210 or EL 4-4113 evgs.
 Very rare gold brocaded Tibetan hat: fur trimmed earflaps and forehead flaps: orig bought from Leh, on the India-Tibet border. \$25. Call Sarma ext 4153, bldg. 46.
 Teakwood desk 30 x 72, like new. Call Meyer, ext 2788 or CA 7-0866.
 Complete dark rm outfit w/ federal cool light enlarger in exc cond, \$60. Call L. Gerritor Lin ext 5524
 Encyclopedia Americana, History of Technology & World of Mathematics. Call Rurik, ext 5363
 Siamese kittens, affectionate, trained. Ext. 3428.
 Steel office desk, lrg, exc cond, \$50. Call ext. 4828.
 Rug pads 6 x 9, 9 x 12, best offer. Auto scissors jack. Call VO 2-5955.
 Kenmore Washing Machine, \$85, used for two years, orig cost \$230. Call H. Dym, 491-2106.
 '47 Indian motorcycle, eng rebuilt, last yr. fairly new battery, asking \$200. Call J. McEwen ext 3425.
 '52 Chevy, 4 dr, 1 owner, 2 new tires, everything works. Best offer. Call B. Eykamp ext 3905 or TR6-6589.
 '53 Chevy, 4 dr, \$100 or best offer. 491-1181.
 '53 Chevy, 2 dr sedan, 33,000 orig mi, \$150. Call B. White, Lin ext 5388.
 '54 Olds, Super 88, 4 dr sedan, 50,000 mi, R&H, gd tires & body, power steering & brakes, new battery, extras. Call 922-6152 (Beverly) or 274-6100, ext 3135.
 '54 Rambler, 2 dr sedan, blk w/ wht top, luggage rack, 4 new tires, eng gd cond, body fair, \$70 or best offer. Call Rogers, AL4-8187 aft 6.
 '55 Buick spiral, 4 dr, gd cond, \$225. Ext. 30-265.
 '55 Plymouth, reliable trans, exc cond, \$225. Call IV4-6273, Prof. V. W. Martin.
 '55 Chrysler, 2 dr hdrop, R&H, auto trans, pwr brakes, \$175. Call Al Hourihan, ext 3404.
 '55 Dodge hdrop convert, blk & wht, gd cond, new brakes & batt, 2 new tires. Call ext 30-3099 or IV4-6532.
 '56 H. D. 74 FLH, lots of chrome, 27,000 mi, exc cond, \$500. Call Dave 354-7703.
 '56 VW, asking \$475. Call T. Bower, ext. 3235.
 '57 Vespa, model 150, gd cond, must sell w/in week. Call J. March ext. 3616 or 791 or KE6-1300.
 '57 Renault, 30,000 mi, \$150 or best offer. Call ext 3686 or 491-3939.
 '58 VW, R, \$600. Call ext. 4550 or M13-1587.

'58 Chevy Belair, V-8. Top cond. Call CL9-8456.
 '58 Ford Fairlane 500. Call Ed, ext. 5513.
 '58 VW, 44,000 mi, \$750 or best offer. Call M16-7448 (Arlington) aft 6 p.m.
 '59 Chevy Parkwood, 4 dr sta wag, auto trans, R&H, ww's, \$1100. RCA Whirlpool Imperial auto washer, 58, 2 spd, 2 cycle, very gd cond, \$40. Call ext. 5603 or M16-8435.
 '59 Corvette, red & wht, exc cond. Call Bob, ext. 5370, Lin.
 '59 Simca, station wagon, Call J. Miller ext. 4983.
 '59 Porsche coupe-1600, super, silver grey, R, gd cond. \$1900. Call TW7-8055.
 '60 VW, st belts, lt blue, 22,500 mi, R&H, \$1,000. Call ext 712 or TW4-5775.
 '60 Lambretta, 150 li, many accessories. Call Mike ext. 3507 or UN4-5345 evgs.
 '60 VW sedan 22,500 mi, \$1095. Call T.S. Piwonka, ext 3235.
 '61 Rambler, 4 dr, stand, R&H, 19,000 mi, gd cond, 1 owner, leaving country, \$1350. Call ext 4545 or IV4-9479.
 '61 Ford Fairlane, 4 dr sedan V-8, auto trans, R&H, st belts, exc cond, \$1395 or best offer. HI4-0766.
 '62 VW microbus, delux, w/ sun roof, exc cond, \$1900. Call ext. 83-2817 or LA7-9110 evgs.
 '62 Karmann Ghia, \$1,700. Call B. Berry ext 3762 or 523-5357.
 '62 Chevy, Mark II, 4 dr, R&H, ww's, stand trans, exc cond. Owner called into service. \$1595. Call 828-4937.
 '62 TR-4, red, 13,000 orig mi, R&H, tonneau, ww's, st belts, exc cond, must sell, best offer. M18-8288.
 4 rm apt for rent in Lexington. 9/5 occupancy. \$125/mo incl heat. Lin ext 5489.
 Stoneham estate, 1 1/2 acres, 7 rm cape, 4 BRs, 1 1/2 bs, 2 car htd gar; plus 3 rm ranch, 2 car ht gar, near schools and shopping ctr. Owner \$28,000. Call ext. 438-1322.
 For rent: on Martha's Vineyard, 8 rm cape, sept & oct, offseason rates, furn, incl util, min 2 wks, Bass Derby prizes. Call AL4-1214 evgs.
 Cape Cod cottage, Long Pond, East Harwich, sleeps 8, running water, gas, elec, refrig, sempriv beach, use of rowboat. Avail 8/24 into sept. \$65/wk in aug, lower in sept. Call L.R. Swain ext 2140.
 5 rm unfurn apt, recently renovated, w/ stove and storm windows, near Lechmere Sq. \$60/mo w/out util. Call RI-93292, aft 5 p.m.
 Brookline 4 rm apt, 2nd flr, screened porch, gar. All util incl. Call BE2-4175.
 Lrg unfurn 2 BR apt, avail 9/7, MIT side of Harvard. Call Prof. Peterson KI 7-5489 evgs.
 Delux 5 rm ranch, Woburn west side, gar, full DR, full porch, corner lot, fence. Call WE3-6734.
 2 BR apt, 331 Harvard St, Camb. \$125/mo. Call 864-5190. Avail 9/1.
 Cottage for rent, Harwich, Cape Cod, new 3 BR on Pleasant Lake. \$100/wk. Call 432-2721.
 3 BR ranch, 359 Woburn St., Lexington, panelled study, big fenced bk yd, much storage space, \$19,000. "Come See."
 3 rm furn apt, all util, \$20/wk, couple pref. Call SO6-4724.
 Wilmington 6 rm cape, 1 1/2 b, fireplace, gar, lrg wooded lot, conven to rte 93, also avail, Hotpoint stove and refrig & GE washer. Call Mrs Rowe ext. 2363.
 Summer cottage, Higgins, Scarborough, Maine (2 hr drive from Bos) Mod, pine paneled, comp equipped, nr sandy beach, sleeps six, \$300/mo, lower sept rates. Call 762-6981.
 House for sale in Frammingham, split level, 2 BR, plus lrg unfurn BR, playrm, gar, screen porch, wooded lot. walking distance to shopping, \$18,650. Call Prof. Whitaker ext 3469 or 877-0602.
 Furn house for rent in Wayland, Woodridge area, 9 months or 1 yr beg 9/1. 3 flrs, 5 BRs, 2 bs, LR, DR, K, laundry, split level entrance, gar, stable, creek. Call 358-2690 or Mrs. Howard, TW4-1300 or 358-7766.
 3 BR ranch in Burlington, LR w/ fireplace, D area, full cellar on same level as backyard. 1/2 acre, 12 min to Lin Lab, 35 min to MIT. \$16,800. BR2-1063.
 Wanted: 2 people interested in starting dixieland band. If interested call Dr. Pellett or Dean Brunel ext 2817 or 3105.
 Wanted: cheap FM tuner, amp, bearskin rug. Call Pete 491-0568 evgs.
 Wanted: male rmmate(s), now for school yr, in 6 rm apt, 5 min from MIT. Call L. Kilham ext 2374 or UN4-5770.
 Wanted: used citizen band transmitter and receiver for car. P. Cloutier ext 3983.
 Wanted: Tenor banjo, cheap. Mr. Fertoado ext. 5851.
 Wanted: trunk, any size, reasonable gd cond. Call ext 4568. 30
 Wanted: ride from Burlington to MIT 8-5 or 9-5. Call Ed ext 328.
 Wanted: to rent, furn house, 4 BRs, inside rte 128, \$250/mo. Ext 3711 or UN4-4545 evgs.
 Wanted: young married couple interested in taking motorcycle trip thru Maine last wk in aug. Call G. Helm, Lin ext 7448.
 Wanted: 1 used baby crib. Call W. Fisher ext 5571.
 Wanted: Ride from Revere to MIT 9-5, Mon-Fri. Call Elaine ext 4105.
 Wanted: Motor pool, Frammingham to MIT, pref W-7, 9-5. Call ext 30-253.
 Wanted: 2BR, furn apt or home from 9/11 to 10/31 for physics postdoc and fam. Ext 4200 or VO2-6972.
 '61 College Grad would like to move in w/ one or two girls or would like to share present apt w/ same. Call Clair LO6-5715, aft 6 p.m.
 Wanted: Fem rmmate, over 25, to share mod apt, swimming pool, air cond. Arl Hts. M18-7324.
 Wanted: fairly new station wagon, pref compact. Call 864-6746.
 Wanted: rowing mach, exercizer in gd cond. Call F. Rosebury ext 2536.
 Wanted: One old stove also coal for the take. Call M18-8199.
 Wanted: woman's English bike, used or new to rent or to buy. Call Miss Duffy ext 5653.
 Wanted: 2 girls to share w/ 2 other girls huge ready duplex apt. Avail sept. \$55 ea. incl util. 322 Marlboro St. Call Diane ext. 4481 or Anne CO6-3134.
 Wanted: to buy 3-48" Double Fluorescent light fixtures w/ reflectors for small home shop. Call B. Murray ext 5461.
 Wanted: Rmmate 25 or over, share w/ 3 other girls, own BR, \$41/mo. Brookline, avail 9/7. Call LO6-2465 evgs.
 Wanted: Pianist to collaborate on piano-arrangement for orig music. Duncan ext 5379.
 Wanted: bunk beds. Call 864-7214.
 Wanted: 15" (or lrger) TV in gd cond, \$15-\$20; vacuum cleaner, \$10. Willing to tutor math (high school or college level) &/or physics &/or engineering sciences in exchange for learning driving (your car, stand shift). Big sacrifice on my part! Call 354-1377 evgs.
 Wanted: Ride from S. Hamilton to MIT, will adjust hours. First 2 wks in aug. Mrs. Hanscom ext. 5656.
 Wanted: Ride to West Newton, Joan Vangell, ext 30-216.
 Wanted: Rmmate (male) to share 3 BR apt, LR, K, DR. 5 min from Harvard Sq. by car \$50/mo. Call 782-2465 evgs and wkends.