

INFORMATION, PLEASE

At least part of the assistance flowing from the Information and Reference Section of the Hayden Library will be offered in an English accent this coming year.

The reason: Barbara Burton, a new assistant in the section, is English.

Miss Burton is Librarian at the Research Laboratory of the Associated Electrical Industries, Ltd., of Aldermaston, England. She is spending the year at M. I. T. under an exchange which saw M. I. T.'s associate reference librarian, Katherine Murphy, go off to Aldermaston.

Miss Burton and Miss Murphy not only exchanged jobs, but also apartments, an arrangement which made the exchange movement doubly smooth.

HIGH NOON

For five M. I. T. employes, lunch hours on Mondays and Thursdays have become big business--not only for themselves but for hundreds of their co-workers.

The five make up the M. I. T. Credit Union's loan committee. According to figures released last week, the committee members, working as volunteers during their Monday and Thursday lunch hours, have given approval so far this year to some 2,500 loans totalling more than \$1.2 million (total Credit Union membership--4,100, assets--\$2.1 million).

The five are Jim Cronin, the chairman, and Bob Ragusa, both of Research Fiscal Office, John McLean and Paul Smith of Research Laboratory for Electronics, and Eddie Cox of the National Magnet Laboratory.

The federally-chartered M. I. T. Federal Employes Credit Union, located in the basement of the Hayden Library, has experienced continuous growth every year since its founding in 1940. Present interest on loans is .6 pct. monthly on the unpaid balance, the lowest going rate in this area, while dividends on savings run in the neighborhood of a healthy 4 pct. per year. Membership, open to all M. I. T. employes, can be had for a 25-cent fee plus purchase of one \$5 savings share.

The Credit Union, largest and strongest of its kind in Massachusetts, can make unsecured signature loans ranging from a maximum of \$100 for persons who have been employed at M. I. T. for three months to \$400 for one year employment, to \$750 for persons employed here for three years or more.

With security (cars, stocks, bonds, insurance policies, etc.) even greater loans can be made. All loans must be approved by the Credit Committee. Bylaws allow loans for any "provident or productive" purpose. Most frequent purposes are purchase of cars or home improvements.



Miss Burton



L. to r., McLean, Ragusa, Cox, Smith, Cronin

MOONLIGHT SCHOLARS

A record number of M. I. T. employes heeded the call of tuition-free Lowell Institute School this fall. Of the 235 students enrolled in LIS this year, 26 are from the M. I. T. community. Dr. F. Leroy Foster, LIS Director (and also Director of M. I. T. 's Division of Sponsored Research) says this M. I. T. representation--10 pct. of the LIS student body--is the largest in his memory.

LIS, conducted by the Lowell Institute Foundation and M. I. T., holds evening classes in M. I. T. classrooms (most taught by M. I. T. staff) for persons employed in industry who desire to advance their technical education. The school offers a two-year Mechanical Course and a two-year Electrical Course, plus advanced and supplementary courses in various technical fields.

Thirteen M. I. T. employes are enrolled as first year students in the Mechanical and Electrical Courses. They include: Robert K. Ashworth, Transportation Lab; Edward L. Greenwood and Harvey J. Lander, both Research Lab for Electronics; Stephen A. Oliver, Metallurgy Dept.; Manuel L. Silva, Supersonic Lab; Charles O. Webber, Physical Plant; and Henry C. Baldassarri, Robert C. Coccia, Dario H. Franchetti, Harry Sawizky, Robert R. Surette, Oliver R. Brandt, and Matti Soikkeli, all of Instrumentation Laboratory. Four employes--Fred A. Jones and Arthur Guimond of Instrumentation, William G. Orphanos, Cryogenic Lab, and Edward H. Richardson, Magnet Lab, are second-year LIS students this year.

Enrolled in advanced and supplementary LIS courses this year are: Edmund C. Berk, Raymond M. Quill, George L. Diggs, Rudolph P. Massaro and Richard L. Sheaff, Robert Price, Thomas Telesmanick and Edward J. Gaudiano of Instrumentation Lab and William J. Mulligan of RLE.



Catalan

ON THE WAY

Haim Robert Catalan, a technician at Research Laboratory for Electronics, came to this country from his native France three years ago in pursuit of higher education in engineering and science. And with the beginning of the 1961-62 academic year at M. I. T., Catalan appeared well embarked toward his goal.

In France, Catalan worked as a junior engineer for a branch of the General Electric Co. The practical experience he gained there stood him in good stead for his arrival at M. I. T. As an RLE technician, he has worked with Professor Robert Rafuse of the Electrical Engineering Department in improving parametric amplifiers.

At nights, Catalan attended Lowell Institute School where he graduated last June. This September, with superior marks from Lowell and an endorsement from Professor Rafuse, Catalan was admitted as an M. I. T. Special Student, a category that permits him to pursue a degree yet continue his technician's role, at least part-time.

SEASON'S STARTER

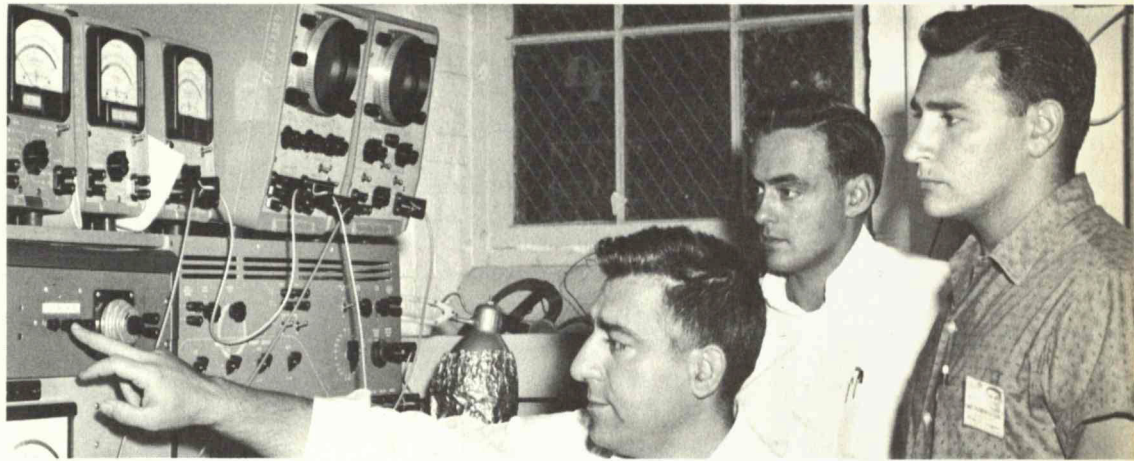
Look for the first production of the year for the M. I. T. Community Players, Ibsen's The Wild Duck, coming Oct. 19-21, in the Little Theatre at Kresge. This delicate play is one of Ibsen's most interesting, combining realism with symbolism, and including many comic moments.

Note to would-be playwrights: The Players, now in their 20th season, want to embark on a new program. Aspiring playwrights are invited to submit new scripts for possible production.

FROM MISSILES TO BLOOD

Three Instrumentation Laboratory technicians took part in a pleasantly surprising turn of events at the Lab this summer. They are Joseph A. Scoppettuolo, Richard J. Caloggero, and Edward J. Ferreira. The three, working at the Lab's 224 Albany St. building, operate precision devices called torque-to-balance loops. These extremely sensitive instruments measure the very tiny twisting forces, or torques, exerted by gyroscopes the Lab develops for use in guidance systems for military missiles.

The loop's inventors--Engineers Philip J. Gilinson, Jr., and Robert Dauwalter--teamed up this summer with Associate Professor



L. to r., Scoppettuolo, Ferreira, Caloggero

Edward W. Merrill of Chemical Engineering in experiments to see if the loop, with minor modifications, could be used to measure the viscosity, or thickness of blood. The measurement was of importance to Professor Merrill as part of his four-year collaboration with a Harvard Medical School scientist, Dr. Roe E. Wells, in applying engineering know-how to the study of the fundamental properties of blood.

Experiments, carried out at 224 Albany St., used fresh blood. Hence, tests had to be done in a few short minutes or the blood would clot. Ferreira, Scoppettuolo, and Caloggero helped modify the loop for blood work, then took part in experimental runs. Ferreira called time signals from a stop watch while Scoppettuolo and Caloggero--along with Gilinson and Dauwalter--manned the electronic console that controls the device and reads out data. Blood for experiments was donated on the spot to Dr. Wells principally by Professor Merrill and Caloggero at 20 to 40 cubic centimeters (5 to 10 teaspoons) at a time.

The result: The loop--although developed originally to help make better missile guidance systems--can double in brass as the most sensitive blood viscometer yet developed. Last week, one of the Lab's loops, properly modified, was loaned to Dr. Wells for use at Peter Bent Brigham Hospital in the study of blood from patients with a variety of ills.

FROM EYES TO CARPETS

The eyes are gone. Since 1937, the center doors at M. I. T.'s 77 Massachusetts Ave. entrance have been opened automatically by the breaking of light beams from photoelectric cells--or, if you prefer, electric eyes. The doors opened automatically, that is, on those occasions when the eyes were in working order.

Early last month, workmen closed the eyes permanently and installed in their place electric carpet-type door openers. The trouble with the eyes was that they were on the blink too much. According to J.H. Barraford, superintendent of Power and Utilities, sunshine interfered with the eyes and, what's more, continual bumping by passers-by kept disturbing alignment.

TRAVELER CHECKS: Protect funds while traveling!! Get traveler checks at the Bursar's.

FOR SALE ETC.

2 Walnut twin bed frames & matching bureau, exc cond. EL4-4850 (weekday evgs.)

Easy spin-dry washer, \$30. Albert Spitzak, Ext. 4041.

Dinette set (blond wood), (table, 4 chairs, hutch). Complete \$50. Ext. 3727.

Electric appliances. Ironer (needs thermostat), \$5. Stove, \$10. Mr. Spacks, Ext. 2649 or OL5-0367.

Full set of golf clubs plus bag. \$45. R.B. Fleming, Ext. 2584.

Camping trailer (sleeps 2 people), \$125. Call Lincoln Ext. 349 or WE3-4011 evgs.

50x50 inch Daylight Deluxe Challenger Projection Screen, \$10. Ext. 2420.

Lionel Trains "027" "0" Gauge, 5 locomotives, approx. 30 cars, 190 Watt Dual Train transformer (cost \$25), signal lights, switches, controls, track, buildings, figures, etc. Best offer over \$50. Erland Babcock, Ext. 2816 or BROWning 2-1296 evgs.

Model airplane engines, propellers. New and used-- .020 to .35 displacement. About 1/2 list price. Call Ray Harlan, Ext. 4041 or ST2-1393.

3 Siamese kittens, born Aug. 2, mother sealpoint, father blueprint. \$35. RI2-0953.

Fur coats. Grey Persian Coat, mink collar, size 16-18, 2 yrs old, \$250. Brown dyed Muskrat, size 16-18, \$75. Ext. 194 or TR6-3669.

NEW Morse-Sewing Machine with lifelong guarantee, \$200. (\$20 attachments given free). Call EL4-5807 after 5 pm.

1 studio couch bed, 1 overstuffed arm chair, Wellman Grand Upright piano (perfect cond). Couch and chair need slip covers. \$25 for all three. Must be removed from apt by Oct. 28. Ext. 2963.

Lafayette LA-90 stereo amplifier for sale, 10 watts per channel, \$48. Heathkit AM tuner, \$18. Mr. Seasholes, Ext. 2449.

15 1/2 ft. Lyman Outboard, 35 HP Johnson Super Seahorse Motor, elec start, controls, steering wheel, deck hardware, navigation lights, compass, fire extinguisher, safety glass windshield, seat cushions, convertible top, side curtains, mooring cover, A-1 cond, \$775. Boat trailer available. J.B. Paddleford, Lincoln Ext. 7111.

Jansens electrostatic tweeter, Model 130. Originally \$185. Perfect cond, \$80. Call Dennis, HA6-1794.

Goya guitar, exc cond, w/carrying case, pitch pipe, collection of folk songs arranged by Bess Lomax Hawes, \$70. (Will bargain to certain extent.) Call Lincoln Ext. 7197 or TR6-0982 after 7 pm.

Phono Preamplifier, GE/VPX-003A, \$5. Jim King, Ext. 2128.

21" TV, RCA Victor w/wrought-iron stand. New picture tube, recently overhauled, \$75. Ext. 2291. Mrs. Moffatt.

17 ft centerboard Town Class sloop. 2 sets of sails, dacron & cotton, canvas cockpit cover. Most of rigging replaced 1961. \$650. J.M. Heinz, Ext. 3201.

Four band portable radio--short, medium, long wave. Perfect cond. New--\$90. Will sell for \$50. Ext. 2952.

Authentic Samovar--wonderful for winter teas, exc cond, \$25. WA4-3987.

Crosley table model 19"TV, cond fair, \$35. Volunteer 2-2872.

Pair hockey skates, size 11, \$6. Bob Budny, Ext. 3227 or EL4-4694.

Coach type (hard body) baby carriage. Exc cond, VO2-7750.

Used Super Sailfish w/dacron sail, \$190. New Super Sailfish, \$275. Call Jim Dolan, Ext. 2179.

Motormower, self propelled rotary 4-cycle, B&S engine. Used 1 season, \$60. Bolens tractor w/snowplow, \$50. M. Freeman, Ext. 2310 or IV4-3017 evgs.

1 Siamese kitten, 11 wks old, male, Mayer Spivack, Ext. 3410.

'38 yes '38 Buick Roadmaster sedan, 60,000 mi, exc cond. IV4-5872 evgs.

'52 Ford conv, good cond, good tires (2 snow tires). \$90. Ext. 3792.

'52 MG-TD, new paint, top and brakes, re-built engine, Tonneau cover, 4 good tires, R&H, Ext. 2371, \$795.

'53 Plymouth, w/H & seat belts, less than 78,000 mi, \$175. Call F. Marbury, Rm5-225, Ext. 2925 or VO2-9345.

'54 Ford 4Dr Customline, R&H, Fl. Dr., V8, new tires, extra spare, rebuilt engine & transmission(both this year). \$300 or best offer. Call F. deWinter, Ext. 2232.

'54 Plymouth, 2dr, 6cyl, std shift, R&H, very good cond, exc engine, \$225. Call Arthur Shavit, Ext. 2242 or 2256.

'55 Mercury Monterey, 2dr hard top. \$400 or best offer. Call IV4-5017 after 6 pm.

'55 Pontiac hard top, R&H, hydromatic power steering & brakes, good mechanical cond, \$300. Lincoln Ext. 134.

'55 Oldsmobile, 4dr sedan, blue, white top. Automatic transmission, power brakes & steering, R&H, new battery and tires, good running cond. \$400 or best offer, TR6-2766 or Ext. 2105. Mr. Eymery.

'57 Plymouth conv, lt green, all power, cont. kit, R&H. Call PR6-6086 after 5 pm.

'57 Buick Special 4dr sedan, blue 2-tone, automatic power steering, exc cond. \$750 or best offer. E. Graham, MI8-6622.

'57 Plymouth, green & white, 6 cyl, plaza sedan, std shift. \$550 or best offer. Call Bruce Blomstrom, Ext. 166 or CA7-3125 evgs.

'58 Fiat "600", 2dr sedan, good cond, engine rebuilt last year. Must sell immediately. Asking \$500 or best offer. Call Weiss, Ext. 3847 or VO2-6096 after 6 pm.

'58 Chevrolet Station Wagon, 6 cyl, std shift, 45,000 mi. Most reasonable offer. J. Hammond, Ext. 716.

'58 Goliath made by Borgward, black, red leather upholstery, 4 new tires. \$650 or best offer. Call Fred Wilson, Ext. 2172.

'59 Chevrolet Impala, 4 dr sedan, ww's. E. Robb, Ext. 2482.

'59 M.G.A. Roadster, exc cond, low mileage, \$1,300. Call Bob Doiron, Lincoln Ext. 444.

'60 Comet, 4 dr sedan, R&H, std shift, low mileage. Call EX6-2393 evgs.

'60 Sunbeam Alpine, black, wire wheels, R&H, Tonneau cover, 10,500 gentle mi. Ext. 4487 or IV4-7252 evgs.

'60 Porsche Roadster, 1600 super, new top and tires, AM-FM R, Tonneau cover. Call P. Sarmanian, 944-9331.

'60 Peugeot, 4 dr sedan, fully equipped, \$1650. Call Edward Cox, Ext. 3906.

'60 Ducati motorcycle, 200cc, good cond., \$400 or best offer. Call Peter Mollica, Ext. 3555.

'60 Matchless motorcycle, 650cc, \$600. Ext. 609.

'61 Convafr Monza, 2 dr sports coupe, std transmission, R&H, narrow wws. \$2250. Stadium 2-4783.

7 rm older home in Acton. Exc cond, combination windows. Permanent siting and insulated. All new plumbing and completely rewired. Asking \$17,750. Colonial 3-7501.

9rm 5BR, older type house and garage. exc cond, modernized K and bath, comb. screen and storms, weather stripping, insulated, landscaped yard, large piazza, F.H.W. (oil heat). MI8-2357 for appt.

Rm for rent near Arlington Ctr., K facilities, \$10/wk. Frank Doyle, Lincoln Ext. 648 or MI3-1449 evgs.

Apt. for rent. Watertown, 8 rms, 2nd floor, 3BRs, K, LR, DR, den and sun room. Garage incl. \$125/mo. Avail Nov. 1. Call WA3-1056 evgs.

Apt for sublet. Harvard St. LR, fireplace, BR, K, bath. Call Miss Karlsson, Ext. 4245 or KI7-9551 evgs.

Sublet apt, 329 Harvard St., Camb, 1 BR, LR, K-DR, 1st floor, fully furn, avail Nov. & Dec. \$100/mo. L. Young, Ext. 655 or UN4-9572.

Sublet charming 4 rm apt (unfurn). Comm. Ave., Allston. \$100/mo. Ext. 2420 or AL4-7761 evgs.

Wanted: Student desk, single pedestal - top, 32"x42". Stahle, Ext. 286, Lincoln.

Stearns Village Nursery School, Camb., has afternoon openings for 4 yr olds. Tuition reasonable, IV4-8806.

Wanted: apt and rmmates (female). Call Linda, Ext. 3171.

Want to join car pool. Quincy-M.I.T. 9-5, Miss Sargent, Ext. 181.

Wanted: furn house with at least 3BRs for German scientist and family. From Nov. 1 through next summer. Call Mrs. Cochran, Ext. 708.

Wanted: home for beautifully marked, orange striped tiger cat, male, about 9 mo. Ext. 2262.

Want to join car pool. Marblehead to M.I.T. Ext. 4252.

Wanted: apt and rmmate (female). Please contact Elma, Ext. 3344.

Wanted: second hand wringer washing machine. Call Ext. 2611 or IV4-4847 evgs.

Wanted: single Kästle or Kneissl skis in good cond. Call Bill Huggins, UN4-4620.

Riders wanted. Burlington or Woburn-Camb. 8-5. Dependable from door to door. Call Harry Greenlaw, Ext. 3849 or Browning 2-9794 evgs.

Wanted: rmmate (female) to share fully furn apt on Marlborough St. \$75/mo. Call Ext. 714 or CO2-0197 evgs.

Want to join car pool. Bellingham-M.I.T. 8-5. Call Bob Barra, Ext. 2255.

Wanted: good used furnishings for newly acquired summer farm house such as: beds, bureaus, lamps, refrigerator. Dr. Clark, Ext. 4488.

Wanted: Austin Healey. Must be in exc cond. Call W. Heintz, Ext. 3974.

Wanted: a piano, any style, reasonable price. Please call Ext. 2283 or CY8-8603 evgs.