



## 'X' Marks The Spot . . . .



THIS UNIQUE PICTURE is believed to be the first ever taken showing the CF-100 making a collision course attack. Only almost perfect conditions of atmosphere, visibility and wind enabled Avro Photographer Stu Barefoot to catch this "double run" made at altitude over Malton by RCAF pilots practising attacks during the testing of two production high-altitude Mk 5 CF-100s. "X" at top right clearly shows the interlocking contrails of the first practice run where the "attacker" passed through the jet stream of the "enemy" split seconds after "firing its rockets" along a collision course. Second interception shows the two aircraft still streaking apart after another successful dummy interception. To the naked eye it looks as though they should have actually collided at the "X"—but it's those split seconds provided by the computing devices in the CF-100 that make the difference. In actual combat the enemy contrail would have ended abruptly near "X". Outdated are days when fighter chased along behind.

## Staggered Pay Deductions Means Extra For Vacation

To keep deductions from Avroites' vacation pay to a minimum, a system of staggered payroll deductions to take care of amounts that normally would be taken out during the first two weeks in August is already in operation.

Saving Bonds and Credit Union deductions which were slated for the second week in August were deducted last week. Union dues will be held over until the third week in August instead of being deducted the second week in the month.

Housing mortgage deductions—usually taken off the first week in the month—will be held over until the fifth week in August.

This spreading of deductions before and after the vacation will

mean up to \$60 and more for many Avroites this vacation. The only deductions which Payroll cannot rearrange because they are out of the department's control are income tax and unemployment insurance, and in the case of Staff personnel, Pension Plan deductions.

### Dominion Day Holiday

The Dominion Day Holiday will be observed on Monday, July 2nd, 1956, announces E. F. Alderton, Industrial Relations Manager. The plants and offices will be closed at the end of the night shift on Friday, June 29, and will reopen at the beginning of the day shift on Tuesday, July 3, 1956.

## PS-13 Now Named 'Iroquois' Announces Orenda Engines

Orenda Engines' new big turbojet which has been called the PS-13 for more than two years has now been given its official name—the IROQUOIS.

In announcing this decision of the board of directors, Vice-President and General Manager Walter R. McLachlan said he was pleased that such a famous fighting name "will be borne by this engine, which we are developing for the R.C.A.F. but which the whole aviation world—in the United States and United Kingdom as well as Canada—is watching with close interest. The name Iroquois will loom very large in the future of this company."

Once Orenda's directors had decided to pick one from the list of the many Indian tribes which once

roamed Canada, the choice of Iroquois came quickly, Mr. McLachlan said. (Orenda is the name of an Iroquois god regarded as the source of all power).

Iroquois is pronounced ear-uh-kwa, with emphasis on the first syllable.

The announcement put an end to months of speculation on what the name would be. In a trade press publication issued in 1955 it had been described as the Waconda—and many writers who use that book for references had used that name also. In the House of Commons it has been called the Super-Orenda. Around Malton, and in the major part of the aviation press, it was the PS-13.

# A.V.Roe Sponsors National Meeting On Engineer Need

A national conference on scientific and engineering manpower aimed at analyzing and assessing the supply and demand of professional engineers and technical personnel is to be held in September, it was announced in Toronto last week by President Crawford Gordon Jr. Location of the conference will be given at a later date.

Mr. Gordon told a meeting of the Canadian Manufacturers' Association that the present shortages in the fields of teaching, engineering, medicine and research have reached the acute stage, and the western world is training less than half the number of scientists and engineers required for industrial and defence purposes.

The proposed national conference, endorsed by the 30,000-member Dominion Council of Professional Engineers, and supported by Canadian business and industry leaders, is to be financed through a grant from A. V. Roe Canada Ltd.

A general advisory committee has been set up, and it is expected that some leading figures in the fields of education, government, the professional societies, labor and industry, will participate in the two-day conference.

Aims and objectives of the conference are:

1. To obtain, assess and consider all the facts relative to present and future supply and demand of engineers and technicians.

2. To consider and recommend remedial short and long term action by educational institutions, governments, professional engineering societies and business and industry.

### Spotlight On Grave Problem

Mr. Gordon said it is hoped that the conference will "throw a bright spotlight on this particular aspect of the whole grave problem" with a master plan of strategy emerging.

He warned that unless an answer to the problem is soon found, the Western world will begin to slip behind in the race for technical and productive supremacy.

"With the Soviet Union making spectacular progress in this critical field, it won't be merely a matter of loss of trade, a lower standard of living, or lower profits. It will be a matter of survival itself," he stated.

The glowing picture of Canada in 1980 with double today's population, tripling its present production, and its workers earning 50% more for a shorter work week and enjoying the world's highest living stan-

dard was hedged with a big "IF," he declared.

"Increased technological activity is bound to go on," Mr. Gordon continued. "For this is the only way we can compete in world markets. This is the only way we can have a shorter and shorter work week and still have a higher and higher standard of living, the guaranteed annual wage, industrial health and welfare schemes, and holidays with pay and so on. This is the only way the State can provide more and more security in the form of National Health Insurance, family allowances, pensions, and unemployment insurance, etc."

### No Magic Horn Of Plenty

"There is no magic horn of plenty. To achieve the higher standard of living that has been predicted, we must produce more goods, more efficiently. If we insist on working less and less this increase can only come about by increased mechanization or automation, if you wish. And this, again, brings us full circle to research and development and engineering and the need for competent people in these fields."

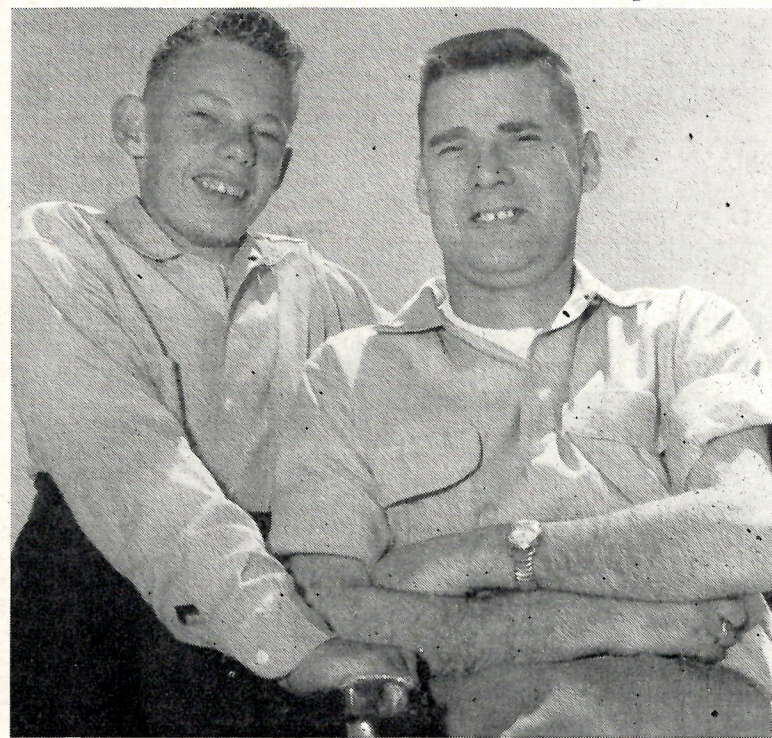
The answer to the problem involved the whole panorama of education from primary schools to universities, he said.

Mr. Gordon referred to the results of the recent Economic Commission which pointed to an availability of competent scientific, engineering and technical talent as the key to Canada's future industrial development.

He cited the experiences of the A. V. Roe Canada Group in the design and development of jet aircraft and engines—a task which necessitated looking seven or eight years into the future. This was the

(Continued on Page 2, Col. 5)

## They Warn Us To Swim Safely

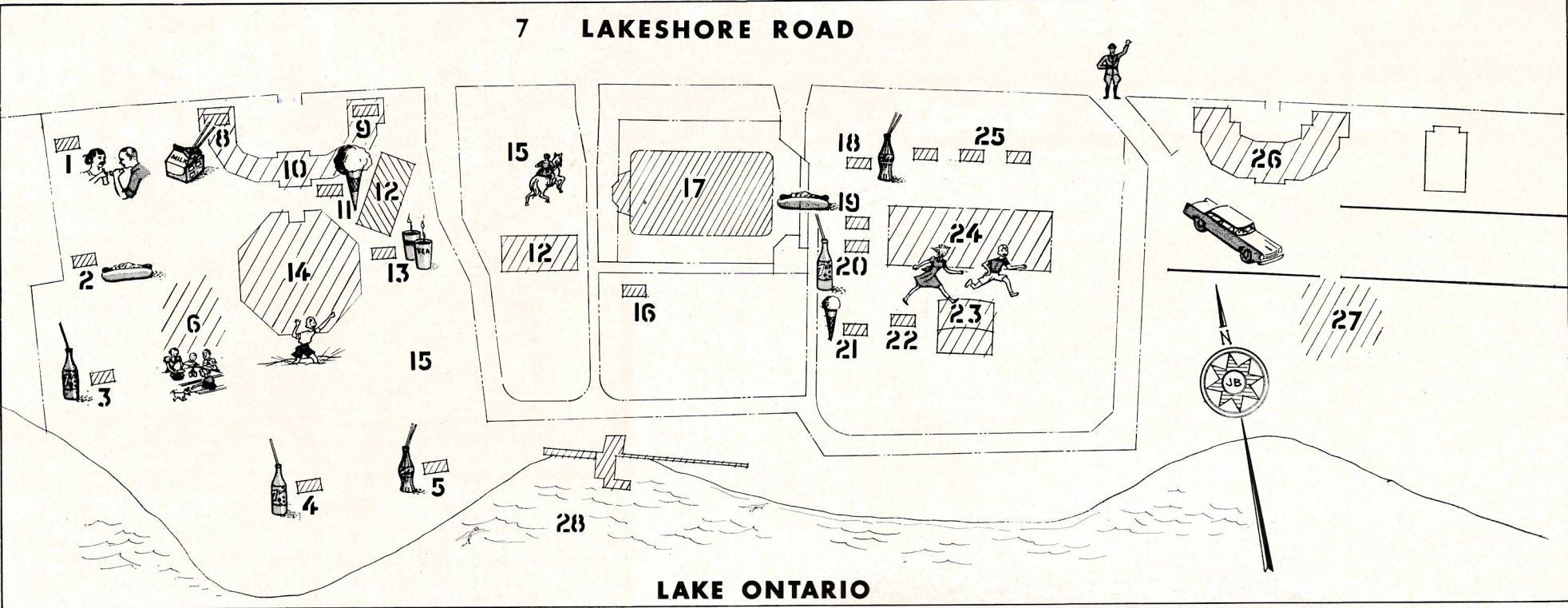


PROUD FATHER this month is Lou Miron of Inspection seen here with son Gary, age 15, who has won a \$50 prize for designing a swimming safety flag along the lines of Elmer the Safety Elephant. Gary, who is unable to swim himself, having been handicapped from birth, is nevertheless very interested in swimming. His design and idea of "Wally the Safety Whale" came first in a contest sponsored by the Board of Education. "I guess he should have designed it seven years ago especially for me," says Lou. It was seven years ago this month that Lou dived into shallow water and broke his neck—an accident which has confined him to a wheelchair. Big day for both will be on Monday when Gary will be presented with his award.

A helpful coincidence in this year's staggered payroll deductions was the omission of one week's Pension Plan contribution. As the Pension Plan accounting year is based on 52 weekly pay periods and there are 53 such periods in 1956 (this happens every six or seven years), all weekly Staff employees in the Plan found no Pension deductions were made from their pay envelopes last week.



# Sunnyside Picnic Planning Is All Complete



HERE'S HOW SUNNYSIDE will appear for Avro families attending the big Picnic at Kiddieland this year. Here is the legend: 1, Cokes; 2, Hot Dogs; 3, 7-Up; 4, 7-Up; 5, Cokes; 6, Picnic Tables; 7, Lakeshore Road; 8, Milk; 9, Administration and Lost and Found; 10, Building (Washrooms); 11, Candy Floss; 12, Shelters; 13, Tea and Coffee; 14, Wading Pool; 15, Rides Area; 16, First Aid; 17, Dance Floor; 18, Cokes; 19, Hot Dogs; 20, 7-Up; 21, Ice Cream; 22, Race Prizes; 23, Stage; 24, Race Area; 25 Gift Tents;

26, Building (Washrooms); 27, Parking Area; 28, Lake Ontario. Parking arrangements have been finalized and there will be guides along the road to direct traffic to the Picnic. Invitation cards will be going out next week and these must be completed and mailed at the little red boxes at the plant gates by June 29. The program, which begins at 11.30 a.m., is now complete and included this year is the clown band that went over in a big way with the youngsters at the Christmas Party. Gifts, prizes have been ordered.

## Avro Scholarships Deadline Set For Monday, June 18

Engineering Division points out that the closing date for applications for the Three Avro Aircraft Scholarships for children or wards of employees to four-year degree courses at the University of Toronto is Monday—June 18.

Employees who are interested in nominating their children for these awards—each of which is valued at \$2,000—are urged to make application to the Employee Services office for the forms and leaflets describing the scholarship plan in detail.

### Can You Help?

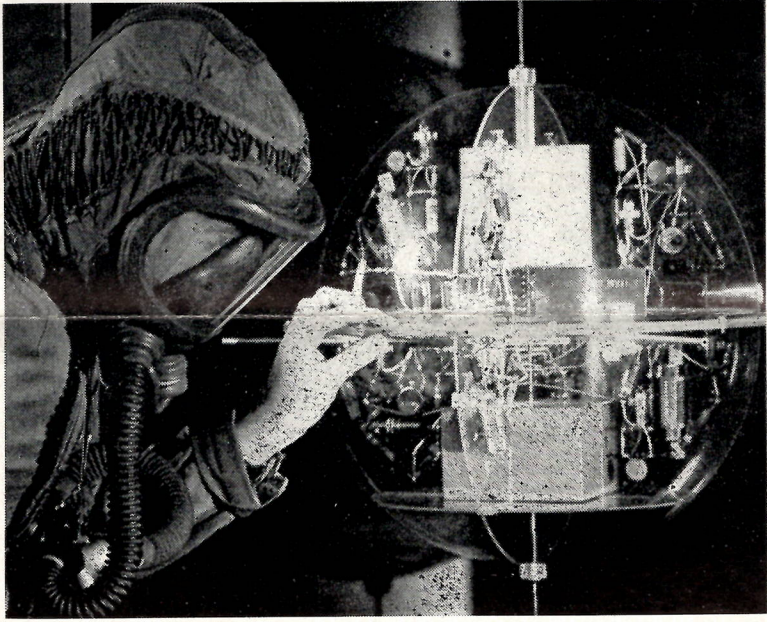
There is an urgent need at the present time for furnished accommodation for Avro families, reports Employee Services. There are plenty of rooms available for single people but a great shortage of furnished flats and apartments suitable for families of three and more. If you can help, please contact Employee Services immediately.

It is emphasized that there is no need for students to await announcements of high school examination results before applying, as these pass lists will be obtained by the Selection Committee from the education authorities as soon as they are available.

A number of applications for these Avro awards have already been received, but employees who intend to sponsor their children must obtain and return their application forms by Monday next, or if returned by mail they should bear the postmark of June 18.

Full particulars can be obtained either from Employee Services or the Education Supervisor, office A2-243, Engineering Division.

Of the courses given at the Faculty of Applied Science, University of Toronto, a pass of 64 per cent is generally required in the nine Grade XIII examination papers. But for those students who intend entering engineering physics (of which aeronautical engineering is an option) the pass marks in mathematical subjects are raised by the Faculty to 75 per cent.



THIS MODEL of the satellites to be launched into outer space during the International Geophysical Year—which begins next year—was on view to the Canadian public for the first time when it was displayed as part of Air Force Day celebrations this month.

## Air Force Day 'Open House' Attracts Crowds Everywhere

CF-100's were again one of the big highlights of displays and exhibitions at RCAF stations across Canada last weekend during the celebration of Tenth Annual Air Force Day.

Throughout Saturday CF-100's and other RCAF aircraft were subjected to close inspection by hundreds of thousands of members of the public visiting RCAF units. All those that were able to hold "open house" on Air Force Day reported big crowds of visitors.

Although no station was open to the public in Toronto over the weekend, there was plenty of activity in the air.

At Trenton where CF-100's were on display, the public was treated to a fascinating peep into the future. On show for the first time in Canada was a model of the space satellites to be launched from Florida during the International Geophysical Year, which begins on July 1, 1957.

The model, obtained from the U.S. by S/Ldr. Roy Wood of Trenton, was built by the "Popular Science Monthly". It is known that the actual satellites will be under 30 inches in diameter and weigh

less than 24 pounds, with instrumentation under 11 pounds.

The model, built of plastic, conforms to these specifications and though actual satellite instrumentation is still a secret, telemetering instruments of simulated design are incorporated in the model.

The satellite will be launched via three-stage rockets. The first rocket carrying the assemblage to approximately forty miles in about two minutes (a speed of between 3-4,000 miles per hour); the second rocket will increase the speed to approximately 10,000 miles per hour, burning out when it has reached an altitude greater than 100 miles above sea level. It is estimated that after the second-stage rocket burns out the remaining units will coast upwards to approximately 300 miles above sea level where they will be jettisoned and a third stage rocket imparts an orbital speed of over 4 miles per second.

Owing to the many problems of speed and direction it is considered that the orbit of a satellite will likely be elliptical with an altitude variance of close to 500 miles between its closest and farthest point above sea level.

## A.V. Roe Sponsors Engineer Meeting

(Continued from Page 1, Col. 5)

time needed to progress from design to production line and then into operations.

In referring to the educational field, he described high schools, as being the key factors in the training of required skilled manpower.

There was also a need for more technical institutions such as Toronto's Ryerson Institute where a significant percentage of high school "drop-outs" might be salvaged and trained as technicians.

At the same time, Mr. Gordon added, one should not overlook the value of an adequate apprenticeship scheme similar to that in Britain which has produced some of the finest creative engineers in the world.

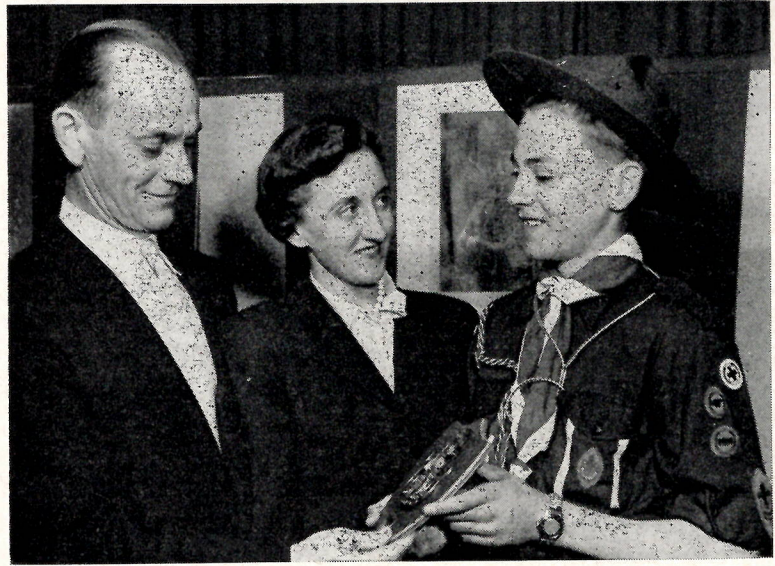
Canadian industry should play a larger role in supporting the country's universities through more financial assistance and by the establishment of co-operative engineering programs now being developed in the U.S. The latter is for students who have qualified for university entrance but cannot afford to continue their education. Under such a plan, the student spends half a year at university and the other half in industry. He is paid by the company while in the plant and at college. The course lasts five years, and might serve as an ideal inducement in the search for more engineering talent, Mr. Gordon said.

## June Bride\$ Of '56



"I hinted to everybody we'd rather have money!"

## Shares First Queen's Scout Honor



ONE OF FIRST TWO Malton Scouts ever to become a Queen's Scout, 16-year-old Ted Currie holds the plaque he received this month following his award. Proud parents admiring the plaque their son received at a presentation in Malton are Howard Currie of Jigs and Fixtures and his wife Phyllis of Engineering Services.



# Two Set Out In 26-Ft. Boat On Voyage Across Atlantic

While crowds of sightseers and friends waved farwell, a 26-foot yawl pulled away from Toronto dockside this month on the first lap of a 3,800-mile trip to England.

Aboard are skipper Bert Smith of Aero Metal Products, and Alan Battersby, formerly of Avro Production Bays, who plan to sail the craft, "Orenda", on a voyage they consider a "tremendous adventure and the fulfillment of a life-long desire."

Skipper Smith, who built the Orenda two years ago, expects they will take a month travelling from Toronto to Halifax—about 1,200 miles by water. There they intend stocking up with food and water before starting on the 2,600-mile trip across the Atlantic.

Depending on the weather conditions they estimate that another 40 days will bring the Orenda to England. During the trans-Atlantic part of the trip the two men, who have been sailing together for about 15 years, will take turns of four hours on and then four hours off around the clock.

"It will be a bit of a grind, but we expect to enjoy it thoroughly unless the weather is exceptionally

bad," said Smith.

Aboard the Orenda when she sets sail across the Atlantic will be over 1,000 lbs. of food and some 50 gallons of fresh water. The yawl carries a radio receiver but no transmitter. Safety equipment includes life rafts and belts, and flares.

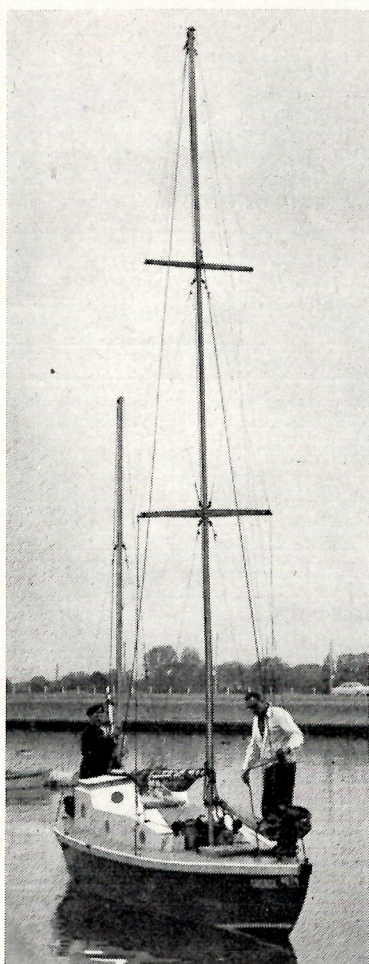
The men are expecting to meet their roughest weather at the mouth of the St. Lawrence. They will then follow the Northern circle route across the Atlantic, navigating by sextant. They expect their first landfall will be the Scilly Isles.

Both men are married. Alan Battersby's wife and son are at present in England, and Skipper Smith's wife is sailing for England at the end of this month to await the arrival of her husband in Britain.

Next year Smith hopes to sail the Orenda back from England via the southern route to the West Indies and on up the coast to Canada and then Toronto.



BOUND FOR ENGLAND, Skipper Bert Smith and friend Alan Battersby, formerly of the Production Bays, pose for a last-minute picture before setting off on their long haul to Halifax—first leg of 3,800-mile voyage. They expect trip to take two months.



SLIPPING AWAY from dockside the two-man crew prepares to hoist sail aboard the 26-ft. yawl, Orenda, built by Smith.

## Distaff Recreation Getting Into Stride

By June Milling

Summer activities of the Women's Recreation Club are well under way for the season with the baseball team taking their first game from the R.C.A.F. Jets.

For the golfing enthusiasts there is a practice every Monday night at 8.00 p.m. at the Meadowvale Golf Course and all members of the club are welcome.

Incidentally, any of the men who shoot in "the low 80's" are invited to help out by giving instruction to the beginners now preparing for the September tournament.

The committee is making fall swimming arrangements for a centrally located pool with qualified instructors and reasonable rates, but there will be more on this in later issues of the "News." Meanwhile, if there is anyone who would be willing to give some swimming instructions starting around next October, please contact the Recreation Office.

It has been decided that it would not be feasible to sponsor an archery club because of the expense involved, but the committee is checking to see if there is a club which those interested may join.

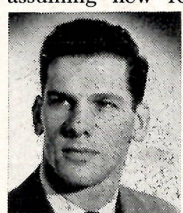
## Addresses Masons

Harry J. MacDougall of Sub-Contracts found quite a mixed audience when he spoke at a Masonic meeting this month on the Canadian aircraft industry. The meeting of Elgin Lodge of Perfection, Ancient and Accepted Scottish Rite, was held at Queenston Park, Niagara Falls, and many of those present had travelled across from the U.S. to hear the Avro speaker.

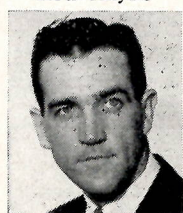
## Mike Dore Takes Over Recreation

Highlight of Recreation Club news this month is the changeover of personnel.

Rod Smylie, who is a familiar figure on Toronto Argo football teams as well as at Avro Aircraft, is assuming new responsibilities after



Rod Smylie



Mike Dore

four years with the Recreation Club—the last three as Recreation Supervisor. As supervisor of a new department of the Industrial Relations Division, he will carry out his new duties from within the Employee Services group of departments.

New Recreation Officer is Mike Dore, who has a long association with recreation activities. Formerly Progress Foreman, Electrical Sub-assembly, he was secretary of the Recreation Club for two years and more recently has been associated particularly with the Choir and in arranging the Recreation Club golf tournaments.

Both Rod Smylie and Mike Dore took over their new duties effective the first of this month, though Rod Smylie is continuing to help out on major programs—like the upcoming picnic—for the present time.

AVRO AIRCRAFT NEWS



"EXPERTS IN THE ACT" are making sure this one doesn't get away from Isabel Sinclair during the fishing outing for several hundred children who were conservation contest winners in local schools. Among the many Avro volunteers who helped make the day a success and instruct in fishing are (from left): Rick McCallum and Doug Rendall, Small Tools Dept., and Rene Marion, Gauges, who also had a great time!

# Group Company Taking Over Production Of 'Canada' Truck

Sir Henry Spurrier, Managing Director of Leyland Motors Limited announced on Monday that arrangements had been concluded with A. V. Roe Canada Limited whereby a member of the Group, Canadian Car & Foundry Company Limited, would shortly take over the manufacture, sales and distribution of the "Canada" truck.

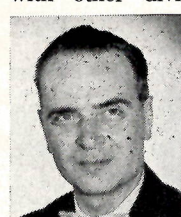
Sir Henry added that arrangements were also being worked out covering the supply to the A. V. Roe Canada Group by Leylands of a wide range of diesel units and other forms of industrial, marine and transport applications and to make available such technical information and development as may assist them in developing their own lines in Canada.

In confirming the announcement, Crawford Gordon Jr., President of A. V. Roe Canada Limited, stated the arrangements were part of the broad development and expansion into a wide range of vehicles and industrial units in the truck, bus and related transport fields.

Mr. Gordon pointed out that the addition of the "Canada" truck to the Can-Car bus and trolley line marked the first occasion when there was available to Canada an entire line of transport vehicles, both passenger and trucks, wholly designed and manufactured in Canada.

## Briefly Speaking

Summer student visitors gaining practical experience in Avro's Engineering Division were given a complete tour of the plant Monday afternoon and evening of this week with other divisions helping out



George Draper

with escorts... Farewells were said this month to Experimental Machine Shop Foreman George Draper who is leaving after 15 years at the Malton Plant to take over the job of

District Fire Chief of Ward 5, which includes Malton. He has been serving Malton on a volunteer basis for many years.

Plenty of "lobsters" around the plant this week after last weekend's sunshine. If you haven't been exposed this year—Remember the oil

... At a recent meeting of the Council of the Association of Professional Engineers of Ontario, the following Avroites were admitted to membership: John Scott, Stress

Dept.; Art Aylesworth, Electronic Specialists; Desmond Vaughan, Structural Test, and Bill Sheppard, Aerodynamics.

## Next Monday Last Day For Bermuda Bookings

Organizers of the Bermuda trip for Avroites this vacation announce that the deadline for applications is Monday.

Applications for the trip by boat were closed off some time ago, and now airline officials require to know the final total for reservations on aircraft to and from Bermuda.

For those who have not yet arranged their vacations—there are only six weeks to go to the big day.



RYERSON EXTENSION COURSE GRADUATES who received their certificates at an Avro-Orenda sponsored dinner this month included (from left): Bob Dobson, Bert Allengame, Cy Spray, Ray Foster, Perry Demorest, Stan Demorest, guest speaker George Oscar, Assistant Chief Design Engineer, Avro Aircraft; Dick Winnett, Bert Trollope and Frank Irvine. H. H. Kerr, Principal of the Ryerson Institute, presided.

## Grads Receive Certificates Following Course At Ryerson

Principal of the Ryerson Institute of Technology H. H. Kerr presided at a dinner which was given recently to the graduates of a special technical course by Avro and Orenda. The dinner was held at the Oak Room, Union Station, and in all about 70 students, their wives, Ryerson faculty members and Company representatives were present.

During the evening George Oscar, Assistant Chief Design Engineer addressed the graduates. He impressed on them the importance of their progress in technical development, not only in their respective companies, but in the development of Canada. He also stressed the importance to the graduates of proceeding with their course work so that eventually they could be registered as Professional Engineers. After the presentation of the certificates by Mr. Kerr, D. E. Bridge, Director of the courses in Mechanical Technology reviewed the progress of the Institute and indicated that in the fall of this year Ryerson would be intro-

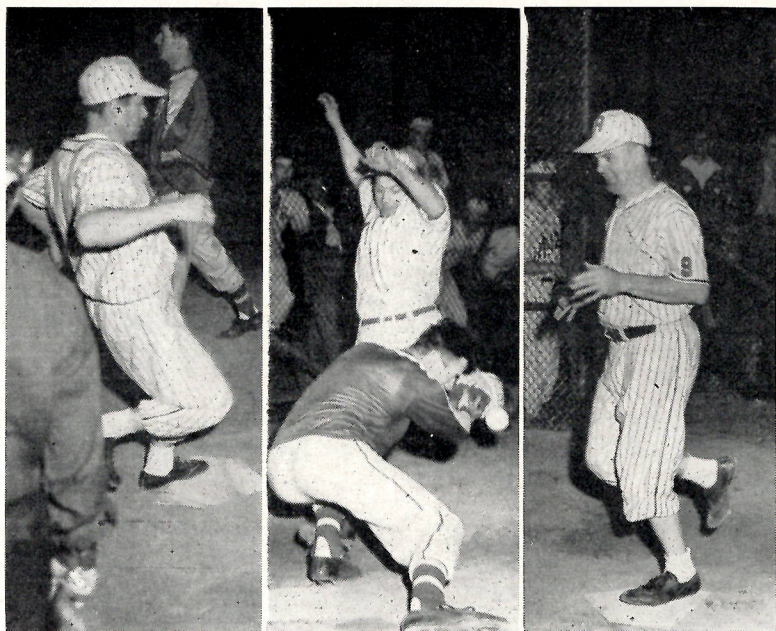
ducing courses of instruction for both the intermediate and final examinations of the Association. He further indicated that the Institute was also introducing a new full time course in aeronautical technology extending over a period of three years. It was hoped that industry would co-operate with Ryerson by securing special lecturers, guidance in the course content and material assistance to the students.

The evening's program included a showing of Avro's movie "Jet Age."

## Retires From Avro

Allen Fritz of Detail Parts Manufacturing, who had been employed at Avro since 1947, retired this month at the age of 77. Allen and his wife, who is also 77, intend returning to Dresden where they have old family ties. "I'll just do a bit of gardening and reading," said Allen.





Bill Bain Walt Wozniak Johnny Brooks  
First Run . . . . . Tying Run . . . . . Winning Run

# Sports Review

By Hugh Gilmour

Wilf Falkingham's Avro team in the Keelsdale Industrial Fastball League started the season off on the right foot on May 28 at Keelsdale Park, by edging Easy Washer 12-11. Billy Bain poked out a three-run homer in the first inning scoring Howard Currie and Johnnie Brooks ahead of him to jump Avro into an early lead. The Easy Washer boys battled back gamely to take a 11-7 lead at the end of the 1st half of the 9th. Wally Wozniak was the hero of the game by hitting a grand slam homer to tie the score 11 all in the bottom half of the 9th. Roy Murden lashed out a sharp single to bring Johnnie Brooks in with the winning run. Roy Foster, Harry MacDonald and Bill Pitkin all saw action on the mound while Doug Rowan, a stout hearted American Style thrower went the distance for Easy Washer.

In the following game Avro downed Dominion Bridge by a 4-2 score in a thrilling ball game. Jimmy Pappas started on the mound for Avro and struck out five Dominion Bridge batters then was relieved by "Hank" Petersen who claimed six victims via the strike out route. A double steal engineered by Johnny Brooks and veteran Fred Kennedy set up the winning Avro run.

Avro Girls' team in the Weston Industrial Softball League downed R.C.A.F. 9-6. Shirley Morrison, who pitched a very good game, aided her own cause hitting a home run and a triple. Dorothy Williams also hit a triple. Ferna Ash and Barb Williams shone defensively for Avro. In the next game had the bases loaded with one out in the first when old man weather let down and the game was called. This was against Canada Packers.

The House League ball has had quite a time with the weather with at least six games being rained out. However, with the advent of better weather officials hope to catch up on the schedule and we will have more to report in the next issue.

Avro Recreation Club Spring Golf tournament held at Woodbridge Golf Club was quite a success with approximately 115 members taking part. Jim Duffy proved to be the champ with a splendid 77 low gross score with J. O'Donoghue second with 81. R. Thompson with 84 took second flight honours, while Phil Marchildon and M. Campbell tied for 3rd flight honours with 92. Fourth flight, T. Higgins and S. Smith with a 100 score each; S. Whitely flight 5 with a 108 score; W. Mallett flight 6 with 116; J. Morris flight 7-116 and K. Lamber-ton flight 8 with a 132 score. Honest Golfer, V. Eastman 158.

The soccer boys have been finding the going rough in the Toronto Metropolitan League and have as yet to garner their first win. However, good news has come, to the effect six Avro employees, who heretofore have been throwing in their lot with Ulster United in the National League have sought and been granted transfer to play for Avro. This is good news indeed and could make a contesting team of them. The players concerned are Bert Parks, former English 1st division with Portsmouth, left back; Billy Carroll, inside forward and former Scottish League star; Len Morgan, goal, formerly Southampton; Johnnie Harvie, inside forward, former Gentoran 1st Division Ireland player; Johnnie Plummer professional in Belgium and France, and Malcolm McLean former West Indies star half back. Come on Boys let's go-go-go.



GOLF TOURNAMENT WINNERS seen with their trophies are (front row) from left: Phil Marchildon, Bill Bates, Jim Duffy (77 and top man), John O'Donoghue. Back row: Russ Thompson, Malcolm Campbell, Mike Baines, Jim Burton, Jack Paradise and Reg Whittington. Tournament was held at the Woodbridge Golf and Country Club.

## Classified Advertisements

This want ad service is offered free of charge to employees only. Turn all ads in to Employee Services Dept. and not AVRO AIRCRAFT NEWS. Include your name, home address and house telephone number, in that order, at the end of your ad. No Avro Aircraft local telephone numbers can be published. Ads will be repeated once only and only on renewal of the ad.

### ARTICLES FOR SALE

**BOLEX H16** with Switar f1.4 lens, never used. Bolex deluxe H8 with 12.5-mm f1.9, 6.5-mm f1.9 and 36-mm f1.5 lens and filters. Pan Cinar Zoom lens f2.8, 12.5-mm to 36-mm. Wallensak 6.5-mm, f1.9 lens. All equipment in excellent condition. BE. 3-7474.

**G.E. 23-inch Electric Range.** Heavy wiring. \$48. CL. 9-2081.

**30-gallon Water Tank.** 3,000-watt element, automatic and manual controls, insulated, perfect condition. \$35. EM. 4-0798. Foley.

**DINING-ROOM Suite.** Table, chairs, china cabinet and buffet; Beatty washer; ice-box, suitable for cottage, 50-lb. capacity. Wingham Clipper coal and wood stove, four lids, water reservoir, and warming closet. Young, Triangle 7-2837.

**STOVE (McClary).** Heavy wiring, 60-cycle, four-burner. \$35. Apt. 310, Westlyte Apts., 285 Main Street N., Weston.

**LADIES' English Riding Boots.** Size seven; bureau with large mirror, also bed with springs and mattress. Jackson. LE. 6-6946.

**GIRL'S Bicycle.** English make, \$25. Electric press iron and stand, 12 lb., like new, \$5. Dress-maker's form, size 16, \$3; Continental bed, double spring and mattress, \$40. Fairbloom. RU. 1-3100.

**1953 14-ft. Peterborough Cedar Strip Boat.** Deluxe steering, remote controls, windshield, running lights, paddle, bumpers, life-jackets, new boat cover, trailer. 1953 Johnson 10-h.p. motor. LE. 2-5683.

**1-Year-Old Holton 'Revelation' Tenor Saxophone** with alligator case and canvas case cover. Three excellent mouthpieces and repair kit plus Boosey-Hawkes Boehm-system clarinet in good condition. Only \$375 cash for this lovely set. McMillan, 1746 Wilson Ave., Apt. 10.

**CLASS "A" three-point Hydroplane.** Excellent condition, wheel and pulleys. Sacrifice. AX. 3-5175.

**ENGLISH Riding Saddle.** Double bridle, good condition. EM. 3-1211.

**21-foot Port Carling Boat.** 95-h.p. Buchanan, completely outfitted. \$1,000. Boat is at Crate & Sons, Keswick.

**KODAK 8-mm Movie Camera** and projector, plus screen—new at Christmas. Will sell the lot for only \$98.00. Lily, CH. 4-0804.

**GILSON Coal Furnace.** Good condition, pipes; garden tractor, 2-h.p. Simplicity, like new, disc and cultivator. CH. 1-7623.

**APARTMENT-size Heavy-Duty Stove** in white, four burners, good operating condition. \$80.00. CH. 1-0256.

**HEAVY-Duty Electric Stove.** Two burners and oven, good condition. \$10. HU. 9-9206.

**FREEZER (Gilson).** 15-cu. ft. capacity. Upright model, less than one-year-old, and only used three months. \$325.00 or best offer. Martin, Action 515.

**TWO New Tires and Tubes.** 7.60 x 15, never been on a wheel. 190J Stouffville, Ontario.

**LADIES' Raleigh Cycle.** Equipped with speed gears, perfect condition. \$35. WA. 3-8698.

**HERCULES Bicycle** with three-speed and mini-motor. Three years old, not used for last year, suit 'teen-age boy. Any offer considered to clear. RO. 9-2111 after 5 p.m.

**DUNCAN-Phyffe Drop-Leaf Table** with extension leaf, mahogany, good condition. \$25. CH. 4-4816.

**BABY Pram.** Convertible, blue, good condition. \$12. Luce, RE. 7457.

Next Want Ads deadline for publication in the June 29 issue is noon on Thursday, June 21.

### ARTICLES FOR SALE

**ELECTRIC Rangette.** Apartment size, any reasonable offer accepted. CL. 9-7497.

**RED Seal Continental Motor** converted for marine, transmission and stuffing box. Ideal for boat up to 21 feet. LE. 2-4640.

**BUILDING Blocks.** Flue lining, 8" x 8" x 24". Skisaw, half price. CH. 1-7252.

**CONNOR Washer.** G.E. Frig., 8.4-cu. ft., R.C.A. freezer, 15-cu. ft., sewing machine; Simpsons davenport, other household items. CH. 1-7252.

**COAL Range,** four-burner. 2617W Brampton.

**ELECTRIC Singer Sewing Machine,** \$80. Norge electric stove, large, \$75; G.E. Frig., 9-cu. ft., like new, \$150; Thor automatic washing machine, spin-dry, \$100; Red Arborite and plastic kitchen set, five chairs, table and cabinet, \$60; Studio couch with fitted day cover, \$10; youth's iron bed, new mattress, \$5. RU. 1-3100.

**STEVENS 12-G.A. Pump Shotgun** with case, \$60. Winchester model 77 (like new), semi-automatic with three-power Weaver scope with case, \$50. CH. 1-0458.

**FLOWER Girl Outfit,** including head-dress. Pale blue net over taffeta, ballerina length, size 8/9, made special. Cost \$35 complete, worn once. RO. 9-6062.

**3/4-SIZE Continental-type Bed.** Almost new. 76 Prince Charles Drive, Georgetown.

**5-H.P. Outboard Motor.** Excellent condition. After 6 p.m. AT. 9-4526.

**1956 Easy Washing Machine.** \$60 or best offer. Heavy duty, automatic. RO. 9-8446.

**ADMIRAL Refrigerator.** 9-cu. ft., 60-cycle, six months old. \$200. Manvell, 23 Catrick Street, Malton.

**12-Volt Battery.** Almost new. \$16. CH. 1-3351.

**MIMEOGRAPH (A. B. Dick duplicator).** In good working order, with mimeoscope, lettering and design guides and style, other accessories. Generous supplies of ink, stencils and paper. A good buy for a church or other organization. Also darkroom equipment, electric contact printer box, electric roto-drier, trays and other accessories. Supplies of printing paper and chemicals. Phone CH. 1-3358 (between 7-8).

**ELECTRIC Rangette.** New burners and wiring, reasonable. 495J, Streetsville.

**CHESTERFIELD and Armchair.** Green wool frieze, sacrifice, moving. \$60. RU. 1-3100.

**WALNUT Double Bed.** Spring and mattress. Like new. Phone RO. 2-5135.

### CARS FOR SALE

**1947 Oldsmobile.** Hydramatic drive. \$125 or best offer. RU. 1-3100.

**1951 Pontiac Hardtop.** Chrome interior, roof bars, excellent motor, tires and body, radio. WA. 3-6265.

**AUSTIN A40, 1950.** Good condition, heater. \$250 or best offer, must sell. LE. 5-7484.

**1952 Chevrolet Two-door Coach.** Immaculate condition inside and out, mechanically A1. Radio, heater, signals, etc. Cash or terms if desired. BE. 3-5613.

### CARS FOR SALE

**1950 Chevrolet Coach.** \$485. RO. 9-9890.

**1956 Meteor.** License, heater, directional signals undercoating. 3,400 miles, other extras. \$1,900. CH. 1-7252.

**1949 Mercury Sedan.** Good condition, reasonable for cash. RO. 9-9963.

**1953 Meteor.** One-owner driven. Glenwood grey, license, heater, direction signals, undercoating, excellent tires. \$1,200 or best cash offer. Triangle 7-4018, after 6 p.m.

**1947 Studebaker Convertible.** Sell complete or parts, needs body work, otherwise in excellent condition. New engine and clutch, radio, O.D., also radio for '49-'50 Ford or Meteor. OL. 8-9716.

**STATION Wagon, 1948 Dodge Deluxe.** Excellent condition. \$375. AT. 9-2141.

**VANGUARD Deluxe 1955.** July, mileage 7,100. One owner driven. Nearest cash offer \$1,300. (Can be financed.) Brampton 453J.

**1954 Pontiac Chieftain.** Automatic transmission, radio, heater, defroster, directional signals, windshield washers, etc. 21,000 miles. \$1,500 or best offer. EM. 4-0798.

### TRAILERS FOR SALE

**22-Ft. Aluminum Trailer.** Plywood interior fully insulated and wired, built-in cupboards and sink. This trailer is company made, includes gas rangette and space heater. Phone Gerry Horan, Mono Mills, Ontario.

**1955 New Moon House Trailer.** 45 feet, sleeps six. Set up and ready to move into. E. Lentz, Trailer Court, opposite Orenda.

**HOUSE Trailer.** Sleeps four, 22 ft., fully equipped. Cost \$1,500, sacrifice \$780. Marriott, two miles north of Bolton.

### WANTED

**SMALL Adjustable Drawing Table.** 32 ins. by 42 ins. MacMillan, 1746 Wilson Ave., Apt. 10.

**MOTHER'S Helper.** Week-day afternoons till 7:30 p.m. Bathurst-Melrose district. Liss. RE. 9615.

**RISE to New York.** July 28th or 29th for two people. RO. 2-1603.

**HOUSE, Two or Three Bedrooms to Rent.** Close to plant if possible. Urgent. Write or phone Quinn, 68 Scott Street, Orillia, or Orillia 6087.

**BOY'S Bicycle.** Junior size. 495J Streetsville

**LIGHT Boat Trailer.** For 12-ft. 56-inch beam hydroplane. Triangle 7-4087.

**8-mm. Movie Camera.** In good condition. RO. 6-4614.

**PASSENGERS Wanted.** Going to Woodstock, N.B. Leaving Friday, June 29th, after work. Would take four passengers one way. RE. 4890.

### MISCELLANEOUS

**ROTO-Tilling** with 15-h.p. machine done evenings and week-ends for Avro employees. Reasonable. CH. 4-2782.

**BOARD Your Dog** for a \$1 a day, \$5 per week. CH. 1-7427.

**REGISTERED Blond Cocker Spaniel Pups.** Eight-weeks-old. CH. 1-1919.

**RECORD Your Voice.** Talk, sing or play. Tapes and discs made in your home. Tape recorder and P.A. system for rent, weddings and speeches a specialty. George—RO. 7-1225.

### PROPERTY FOR SALE

**BUNGALOW—\$13,950.** Three bedrooms. Carries N.H.A. \$82 monthly. 20 months old, 110 ft. x 102 ft. White picket fence, private driveway. Decorated, immaculate throughout, screens, TV outlet, etc. Best cash offer down payment secures possession early July. Marilyn, 37 Henry Street, Georgetown, Triangle 7-4018.

**SEVERAL Lake Simcoe Cottage Lots.** Hydro available, east side of lake, entrance to beach in front of sub-division, near Brechin. Priced from \$400 to \$800, terms to responsible parties. Privately owned. RO. 6-4230.

**TWO-Year-Old Bungalow.** Five-rooms, basement, oil furnace, water boiler. 60-cycle hydro, heavy wiring, four-piece bathroom. In village 45 minutes to Malton. Very reasonable. Abrams, Water Street, Erin.

**REASONABLE.** Lot 97½' x 336' deep, high and dry. Town-line Norval. Smith, BU. 6-4686.

**THREE-Bedroom Solid Brick Bungalow.** Three-years-old in excellent condition. Will trade for house of equivalent value in Etobicoke Township or sell. Private sale. Brown, 389 George St., Milton.

**COOKSVILLE Income Home.** Modern, five-room bungalow, three-room finished basement apartment. AT. 9-2640.

**NEW Modern Home** in Cloverdale Heights. Six rooms and bath, oil heat, improvements. \$73 month will carry, low down payment. RE. 4890.

**TWO, Four-Room Homes.** North Toronto. One hour from plant. \$3,500, reasonable down payment. Ben Chamberlain, RO. 2-5658.

**YOU Want Good Fishing?** River Drive Park. Three-room, fully winterized cottage, 20' x 24'. Insulation on the outside, heavy wiring, few steps to river. \$4,000 cash. South of Bradford, No. 11 highway. Poppas, River Drive Park, Ontario.

### PROPERTY FOR RENT

**FOUR Rooms** in furnished 1½-storey brick home in Weston, by widower with boy 12 years old, who will retain two bedrooms and basement. Everything found. Prefer business couple. \$25 per week. CH. 1-3986.

**SUMMER Cottage,** Springhurst Beach, near Wasaga. Two bedrooms, living-room, kitchen and screened-in verandah. HU. 9-9206.

**HOUSEKEEPING Cottage.** Fully furnished. \$25 per week. Hydro, water system with toilet, oil heating, gas cookstove. Attractive Credit River location, 35 miles west of Toronto. Farrar, P.O. Terra Cotta, Ont., Victoria 18R2.

## Bowlers Collect Their Trophies



HIGH AVERAGE MEN get their bowling prizes at this month's big bowling banquet. From left: Abe Takeuchi, Ted Kaye, Stan Aikin, Joseph Turner, Avro's Secretary and Treasurer, who made the presentations, Derrick Poulter and Danny McLaughlin. Rear: Bill Harrison, Wally Wilkinson. More than 300 attended the presentations.

## Avro NEWS

Address all Communications to—  
Avro Aircraft NEWS  
Public Relations Department  
Box 4004, Terminal A  
Toronto, Ont.

Telephone:  
BUtler 6-4411  
Locals 2273, 2282

Published twice monthly for and by employees of Avro Aircraft Limited.