

THE AIRBORNE SERVICES

RCAF Committed to NORAD

The RCAF's air defence forces in Canada have been formally committed to the operational control of North American Air Defence Command. The allocation was carried out by Cabinet order-in-council No. 952 passed July 7, 1958. The order-in-council has not been published but appears in the summary of July orders tabled in the Commons late in August.

The order also confirms the May 12 exchange of notes between Canada and the United States setting out the principles under which NORAD operates, and the interim arrangements made between Defence Minister Pearkes and U.S. Defence Secretary Neil McElroy Aug. 1, 1957, for NORAD operation. It also confirms the appointments of U.S. Air Force General Earle Partridge and RCAF Air Marshal Roy Slemon as commander and deputy commander, respectively, of NORAD.

Banshee Delivery Complete

The Navy in late August took delivery of its 39th and last Banshee jet. Cost of replacing the Sea Fury with the Banshee was \$27,500,000, including lifetime spares.

Forty-three de Havilland Trackers had been delivered to the Navy when production was temporarily halted for a modification to increase the plane's anti-submarine capability. Production will be resumed shortly at the rate of two or three a month and the program is expected to be completed by August, 1960. Original cost was estimated at \$116,000,000, including lifetime spares, but this may be increased slightly with appearance of the 44th Tracker, in effect a Mark 2 version of the plane.

Meanwhile, the RCAF says its program for 33 Argus submarine-killers is nearly half completed.

SAGE in Operation

The USAF last month formally accepted the first portion of the Michigan part of the SAGE system of air defence with the operation of three Burroughs-built data processing systems. The sites are part of a nation-wide radar and data processing network housing the Burroughs AN/FST-2, the chief building block of SAGE (Semi-Automatic Ground Environment).

The purpose of the T-2 is to process friendly and enemy target information picked up by radar in outlying sites and transmit the data to direction centres. There it is coordinated with target information from other sites to alert defensive weapons.

The first completed SAGE Sector was accepted by the USAF last June. It is operated at McGuire AFB, N.J., in the New York Air Defense Sector Command. Similar sectors will be operational soon in New England and along the Atlantic seaboard.

Bonaventure at Sea

Two squadrons of anti-submarine aircraft are embarked in the RCN aircraft carrier Bonaventure, which sailed from Halifax Oct. 8 to take part in a series of Fall NATO exercises in the Mediterranean.

Trackers of 881 Squadron and helicopters of Helicopter Squadron 50 comprise the carrier's air component. Accompanying the Bonaventure are Huron and Haida of the First Canadian Escort Squadron, and St. Laurent and Ottawa of the Third Canadian Escort Squadron.

The Canadian ships and aircraft will carry out anti-submarine exercises with units of the British, Italian and French navies in the Mediterranean. Ports of call will include Malta, Naples and Gibraltar. A third exercise will be carried out by the Canadian units en

route to the U.K. on conclusion of activities in the Mediterranean.

Following a visit to Portsmouth, the Canadian task group will sail for Halifax, arriving Dec. 15.

Argus Demonstration

An RCAF Argus maritime patrol aircraft, the latest addition to Canada's anti-submarine forces, visited the headquarters of NATO Supreme Allied Commander Atlantic (SACLANT) last month. The aircraft was on a demonstration flight to the Norfolk, Virginia SACLANT Headquarters.

A briefing team of RCAF officers headed by Air Commodore W. I. Clements, Air Officer Commanding MAC, went with the aircraft. Through NATO agreements, the RCAF and RCN have operational commitments to SACLANT in time of war.

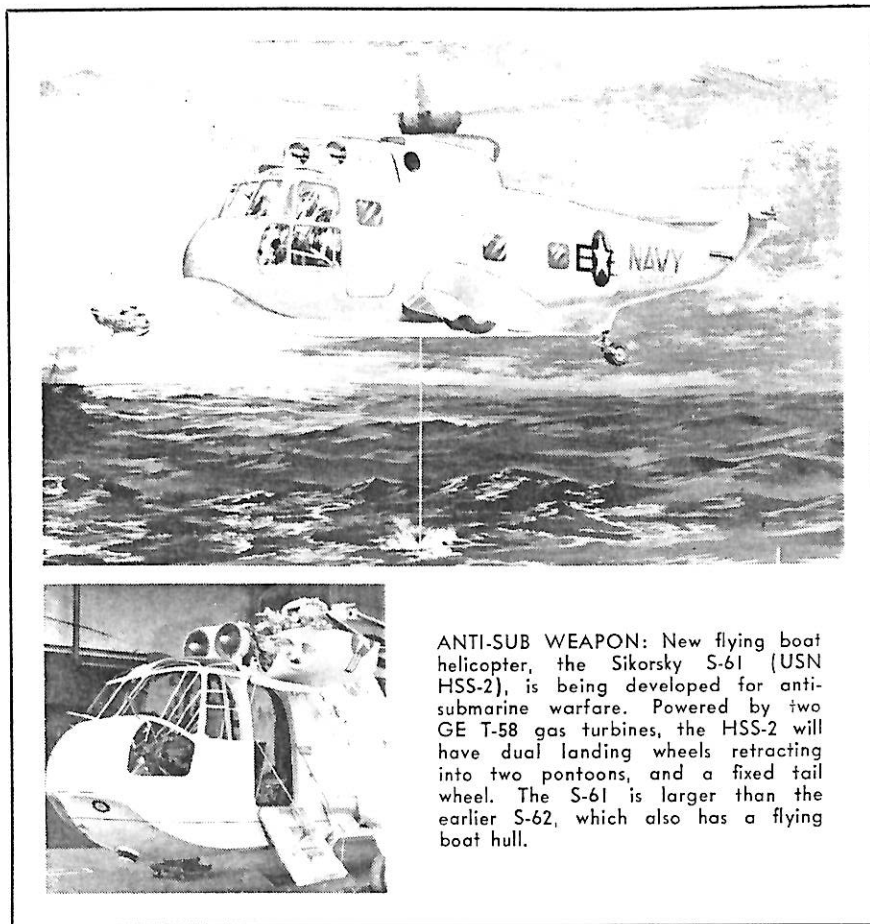
The Argus which visited the American headquarters was number 10 of its type. The first 14 Argus' have been accepted to date by the RCAF and more are following them at a steady rate from the Canadair production line. They began going into squadron service at RCAF Station Greenwood, N.S., after an intensive series of evaluations and trials. Greenwood is the home of two of Canada's east coast Maritime Command squadrons.

USAF Personnel in Canada

There now are some 8000 United States servicemen stationed in Canada, nearly all of them engaged in air defence duties. The 8000 figure in-



SUPERSONIC TRAINER: First Northrop T-38 supersonic jet trainer is shown on roll-out in mid-August. In background is mockup of new N-156F counterair fighter which Northrop is developing from T-38. The jet trainer is powered by two GE J-85s, weighs 10,960 lbs., combines supersonic climbing speed with landing speed low enough to eliminate need for a drag chute.



ANTI-SUB WEAPON: New flying boat helicopter, the Sikorsky S-61 (USN HSS-2), is being developed for anti-submarine warfare. Powered by two GE T-58 gas turbines, the HSS-2 will have dual landing wheels retracting into two pontoons, and a fixed tail wheel. The S-61 is larger than the earlier S-62, which also has a flying boat hull.

cludes personnel at the three U.S. leased bases in Newfoundland.

The number is likely to increase by some 4000 in the next few years as facilities are made available at Canadian bases for refuelling of SAC bombers by American tanker planes.

428 Tops With Rockets

Ottawa's No. 428 Ghost Squadron was the winner of the second annual air defence rocket shoot, held Sept. 15-19 at Cold Lake, Alberta.

It was almost a clean sweep for the Ottawa airmen who were awarded three of four trophies. Winning squadron received the W. R. MacBrien Trophy, emblematic of aerial weapons supremacy in the RCAF. The Ghost squadron lead the second place 425 Alouette (Montreal) Squadron by 224 points.

The Aircraft Maintenance Efficiency Award was also taken by the Ottawa groundcrew.

The ground radar controller who directed the Ottawa squadron to victory also won first place in the controller competition. Flying Officer John Des Brisay, who is based at Senneterre, P.Q.

Only non-Ottawa winner was North

Bay's No. 414 Black Knight squadron. Wing Commander Eric Wilson and his navigator Flying Officer John A. Emon took high honours for individual crew. They received the Vincent Air Force Base Trophy which was presented by Colonel R. Baldwin, wing commander of Vincent AFB.

The five day rocket shoot was keenly contested all the way with only the final sorties determining a winner.

No. 410 Cougar Squadron, also from Ottawa, had taken an early lead during the first two days but fell back to finish third.

Team standings were No. 428; 2nd, No. 425 (Alouette) from St. Hubert, P.Q.; 3rd, No. 410 Cougar from Ottawa; 4th, 413 Tusker from Bagotville P.Q.; 5th, 432 Black Cougar from Bagotville; 6th, 433 Porcupine from North Bay; 7th, 409 Night Hawk from Comox B.C.; 8th, 416 Lynx from St. Hubert, and 9th was 414 Black Knight squadron from North Bay.

Team members of Ottawa 428 Ghost squadron were: Squadron Leader Frank Greenway. Flight Lieutenant Frank Dunster, Flight Lieutenant Fred Hastings, and Flying Officer Donald Lawrie.

The oldest and youngest pilot both

won honours. W/C Wilson, 43, took the top individual crew award while Flying Officer Garth Parks, 21, had the highest points for one shoot, a sensational 989.6 out of a possible 1000 points.

Swedes Tour RCAF

Lieutenant General A. G. Ljungdahl, chief of the Royal Swedish Air Force, arrived in Ottawa last month for a two-week tour of RCAF installations. Accompanying the Swedish chief of staff was Brigadier General S. Noren of the SRAF, and Brigadier General B. Linskog, Swedish Air Attache, Washington, D.C.

Following their arrival the Swedish party was flown by RCAF aircraft to St. Hubert, outside of Montreal, for a briefing by Air Defence Command officials. Other stations visited were Winnipeg, Portage la Prairie and Churchill, Manitoba. Before leaving Canada, the party toured the Avro and Orenda plants in Toronto.

Postings & Careers

- Group Captain James F. Mitchell has taken command of RCAF Station Winnipeg from Group Captain G. F. Jacobsen, who has been appointed aide to the Chief of the Air Staff. Born and educated in Toronto, G. C. Mitchell joined the RCAF in 1940 and went overseas as a pilot in 1942. After attending RAF staff college, he returned to Canada in 1946 and served as secretary to the CAS. Since July 1957 he has commanded 408 Photo Squadron at Rockcliffe, Ont.

- Colonel Norman Wilson-Smith, has been named director of the Army's newly-formed Directorate of Combat Development. Part of his responsibility lies in the planning of employment, logistics, number required, maintenance and spare problem for the DHC-4 Caribou. Col. Wilson-Smith was formerly director of the Infantry Corps.

- Squadron Leader William Lee, recently appointed director of public relations at AFHQ in Ottawa, has been promoted to the rank of Wing Commander. A member of the RCAF since 1943, W/C Lee flew with the RAF's No. 45 Air Transport Group ferrying aircraft to the United Kingdom, Africa, India, Australia. After the war he was appointed PRO for Central Air Command, at Trenton, Ont. He has been engaged in public relations duties since that time.