

Ralph William Waechter, B.A.Sc., P. Eng. (1926 -)

Date of Birth: 17 July 1926

Place of Birth: Kitchener, Ontario

Education: University of Toronto, B.A.Sc., Aeronautical Engineering, 1948

Thesis: The Future of Propellers with the Advent of the Gas Turbine & The Jet Engine

Associations: Association of Professional Engineers of Ontario (21 April 1950)

American Institute of Aeronautics and Astronautics (AIAA)

Avro Aircraft Limited (May 1948 – September 1959)

POSITIONS HELD

Draftsman

Flight Test Engineer

Flight Test Observer

(for C102 Jetliner & CF100 Fighter Jet)

Airplane Performance Engineer

Experimental Aerodynamicist

(for CF105 Arrow)

ADDITIONAL NOTES

Work on Arrow included analysis of actual vs. predicted subsonic & supersonic performance.

Was on Jetliner test flight to Tampa & Miami in 1951 (see photos below).

Appeared in Avro Canada news magazine in 1953 for winning the aircraft division's recreation club golf tournament (see next page).

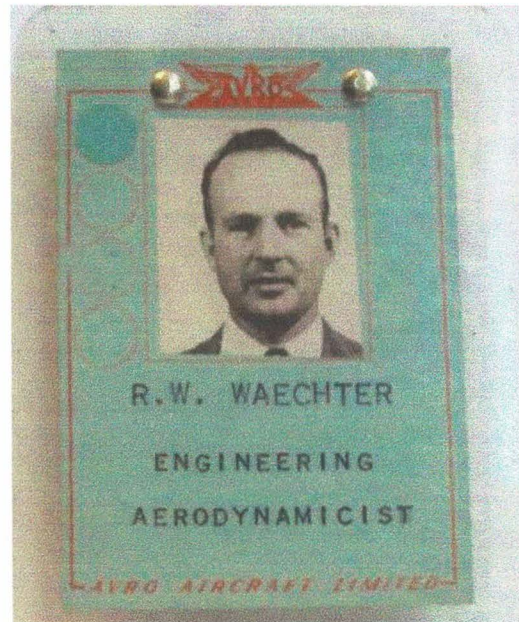


Photo of Ralph Waechter's Avro name badge.



Photos from the personal collection of Ralph Waechter taken at the Miami International Airport after a test and demonstration flight of the C102 Jetliner (Jan 1951). The Jetliner is seen at left and Ralph Waechter is in centre of the right photo.

Post-Avro Career

1959 – 1965

American Airlines Inc. La Guardia Airport, New York

Senior Performance Engineer

Assisted in inaugurating flight plan computer program incorporating aircraft performance, meteorological, dispatch and air traffic control data.

1965 – 1967

R. Dixon Speas Associates & subsidiary, Aero Performance Inc.

Manhasset, Long Island, New York

Consulting Engineer

- Evaluated competitive aircraft for various airlines.
- Computer flight planning services for trans-Atlantic carriers.

1967 – 1978

De Havilland Aircraft of Canada, Ltd., Downsview, Ontario

Operations Research Engineer

- Research on systems and airworthiness requirements for STOL (short take-off and landing) aircraft.
- Analysis of airplane operating cost, as well as market and traffic analysis.

1978 – 1988

Canadair, Montreal

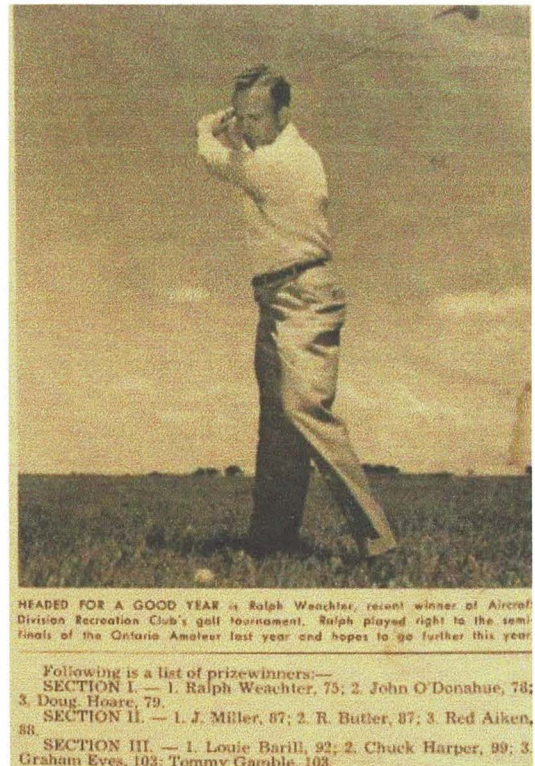
Work included airline market analysis for CL-600 Challenger business jet.

1988 –

Retired

Publication

R.J. Taborek and R.W. Waechter, *STOL, a key to airport access – STOLport design and operating considerations*, AIAA Paper No. 68-1047, AIAA 5th Annual Meeting and Technical Display, Philadelphia, Oct 21-24, 1968.



From *Avro Canada News*, Vol. 2, No. 13,
17 July 1953.

ROVING REPORTER

QUESTION: What is your recipe for beating the heat?

JAMES PATON — Tool Inspector, Gas Turbine Division. He is married with three children. His hobby is swimming.



"I live in a basement apartment where it is always cool. Instead of rushing to go away weekends, I think a person keeps cooler by staying at home and perhaps going to Sunnyside in the evenings and sitting by the lakefront. Especially if you don't have a car."

MRS. ELTA LINCOLN — Record Keeper, Master Tool Crib, Gas Turbine Division. She is married with two children and at present her hobby is building a house.

"Heat is no problem in the Gas Turbine Division where we have a wonderful air-conditioning system. Fortunately I am not bothered by warm weather and enjoy working in the sun."



RAN MASINI — Electrician in Aircraft Assembly, Bay 3. He is single and likes to play cricket and dabble in

As I see it...

Hugh Gilman

Seven One Seven's ball team are a half game in front of Bloor Businessmen in the Davisville senior softball league, in spite of all the rain the boys have managed to squeeze in 3 games since last reporting. On Monday June 22 the Machinists defeated Dependables by a score of 6-0. Gordie Wright tossed a 3 hit shutout and in the process struck out an even dozen batters. The closest Dependables got to scoring was in the 9th inning when they managed to get a man on 3rd. "Red" Wilson, a newcomer who knows his way around a ball diamond, celebrated his debut with 3 solid hits, Veteran Freddy Kennedy with 2 hits and Hal Gibson sparked the union boys at bat. Don (Papa) Head scintillated in the field. On Friday June 26 the local boys trounced Billets 8-4 and again "Red" Wilson with 3 hits and Don Leone with 3 hits sparked the team at bat. Alex Sherman and Don Head played errorless ball in the outer garden. On Monday June 29 the boys took it on the chin from Lamb the Mover by a score of 5 to 4. A few bad breaks turned the tide against the Machinists, however Joe Scattalon who had been in a bit of a hitting slump found his batting eye with 2 solid hits.

Avro's Ladies softball team are doing well in the Weston Industrial league and are presently in second position behind R. C. A. F. Their record now stands at 4 wins and 3 losses. In their last engagement they took quite a drubbing from the Airforce lasses 18-4 but Coach Merv. Lenaghan reports the team got a bad game out of their system plus the fact only 9 players showed up. Come on girls, let's all get out and give the old try.

The house league baseball in both Gas Turbine and Aircraft is coming along fine and some interesting ball games have been played plus a lot of fun and recreation. By the time the playoffs roll around there should be some mighty fine ball played.

Here is the standing at the present time:

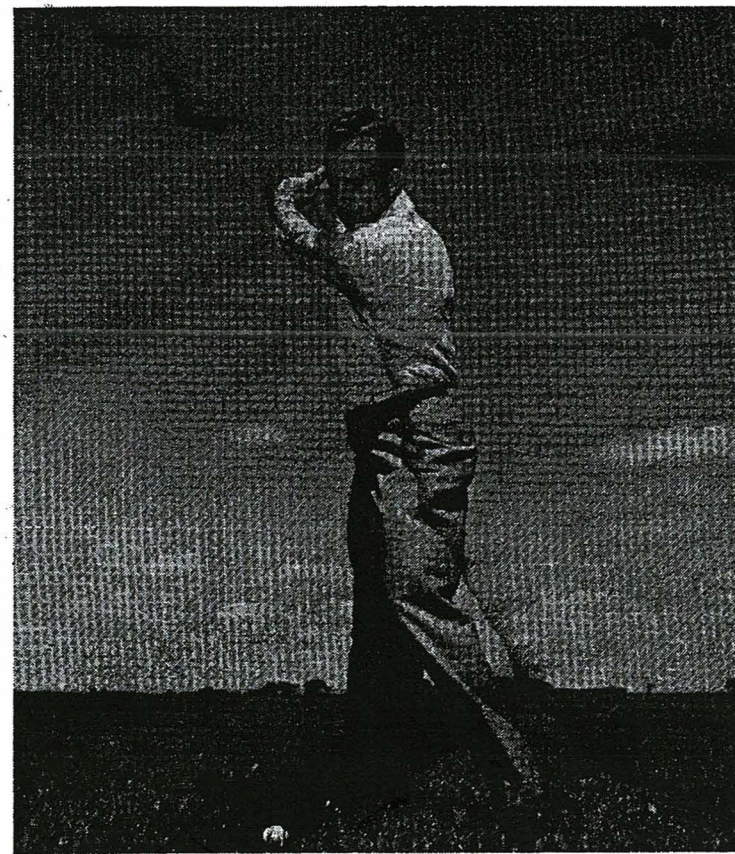
Gas Turbine:—

Flying Discs	10 pts.
Avro Blues	8 pts.
Avro Kings	6 pts.
Aces	4 pts.
Orendas	4 pts.
Skippers	4 pts.
Turbos	4 pts.
Mason's 49ers	4 pts.

Aircraft:—

Outlaws	8 pts.
Biltmore	6 pts.
Allstars	6 pts.
Scrappers	6 pts.
Bombers	6 pts.
Cubs	6 pts.
Redskins	4 pts.
Braves	4 pts.
Lancs	4 pts.

golf being served up. Red Weachter with a score of 80 won first



HEADED FOR A GOOD YEAR is Ralph Weachter, recent winner of Aircraft Division Recreation Club's golf tournament. Ralph played right to the semi-finals of the Ontario Amateur last year and hopes to go further this year.

Following is a list of prizewinners:—

SECTION I. — 1. Ralph Weachter, 75; 2. John O'Donahue, 78; 3. Doug. Hoare, 79.

SECTION II. — 1. J. Miller, 87; 2. R. Butler, 87; 3. Red Aiken, 88.

SECTION III. — 1. Louie Barill, 92; 2. Chuck Harper, 99; 3. Graham Eves, 103; Tommy Gamble, 103.

LOW NET

SECTION I. A. Tomlinson, 68; **SECTION II.** H. Roberts, 64; **SECTION III.** J. Marshall, 57.

Gas Turbine Golf Club's closed tournament held at the Lakeview Golf Club attracted about 20 starters with some good