NORTH DAKOTA
STATE DEPOSITORY
DOCUMENT AVIATION NEWSLETTER

N. D. AIRPORT BUILDING PROGRAM IN PRECARIOUS POSITION

Funding of Airport Development is falling short of actual demand in the U.S. by
$328 million dollars, FAA said last week. Meeting with industry representatives in
Washington to plan for the future of the program because congressional authorization
expires June 30, 1975, the FAA placed fiscal year 1975 demand at $638 million. Total
resources, however, amount to only $310 million, of which $40.1 million is being
allocated to general aviation airports and $270 million to air carrier airports.
Actual demand is $127.2 million for general aviation airports and $511 million for
air carrier airports.

Inflation is taking its toll in airport funds. FAA said that a $280 million
dollar airport program in 1970 when the Congress enacted the Airport/Airway Bill
would now cost about $540 million dollars today - a 92.8 percent increase.

The FAA is studying three possible management options concerning the airport
program: (1) FAA maintains and improves the existing program; (2) FAA maintains
and improves the air carrier portions and delegates general aviation airports to the
states; and (3) FAA converts programs to block grants going to the states and larger
airports. FAA is expected to recommend that Congress continue the existing federal-
aid to airports program with some modifications. See listing of Airport construc-
tion and proposed construction in this Newsletter.

FLIGHT INSTRUCTORS WORKSHOP TO BE HELD IN GRAND FORKS

The 7th Annual Flight Instructors Workshop is being held in Grand Forks,
December 17, 18 and 19th. The FAA, University of North Dakota, Fargo GADO, and North
Dakota State Aeronautics Commission will sponsor the workshop which will be held in
the Lecture Bowl of the University Center.

The Flight Instructor Refresher Team from the FAA Academy will be giving their
outstanding presentations on all areas of FAR's, IFR, and IFR instructional techniques,
multi-engine and medical factors. Special sessions will be held by Fargo GADO on new
Part 141.

Registration will start at 1500 hours on December 16th at the Holiday Inn, with
happy hour starting at 1700.

Highlights for this year include three free lunches with presentations by
Cessna, Beech and Grumman American, door prizes, and free refreshments. A generous
supply of training materials will also be available.

Attendance for all 24 hours of the Workshop will normally be accepted for renewal
of flight instructor certificates.

You will be receiving a brochure shortly with an application form. For more in-
formation, contact Dave Pishko, Box 8027, University Station, or call 701-777-2791.

ELECTED FIRST VICE PRESIDENT OF NATIONAL AVIATION ASSOCIATION

Harold G. Vavra, director of the North Dakota Aeronautics Commission was elected
first vice president of the National Association of State Aviation Officials at its
annual meeting in October in Houston, Texas. Fritz Wolf, Administrator, Division of
Aeronautics, State of Wisconsin was elected President. Paul Burket, Administrator of
the Oregon Division of Aeronautics was elected second vice president. Vavra said the
1975 major goal of the national association was to work with the U.S. Congress to get
the Airport/ Airways Development Act renewed before its expiration on June 30, 1975.
Federal-aid for airports authorization expires on June 30, 1975, unless renewed by
Congress. Other commission members of NDAC attending the Houston meeting included
Ward Whitman, Robinson, Chairman; Alfred C. Pletsch, Minot, Secretary and John D.
Odegard, Grand Forks, Commissioner.
NEW HEAD OF MAINTENANCE IN PASADENA

Mr. Smith, our new head of maintenance, has been promoted to this position due to his outstanding performance. During his tenure, he has consistently demonstrated excellence in managing the department's operations, ensuring efficient and effective maintenance services.

Mr. Smith's appointment is effective immediately. He brings with him a wealth of experience and a proven track record of success in similar roles. His leadership qualities and commitment to excellence make him an ideal fit for this position.

The department is eagerly looking forward to working with Mr. Smith and benefitting from his expertise and leadership. We congratulate him on his new role and wish him every success in his endeavors.

We are confident that Mr. Smith will continue to lead our department to new heights, ensuring that our maintenance services remain top-tier in the industry.

The management team and staff extend their warmest congratulations to Mr. Smith on his promotion.
INTERNATIONAL AERIAL APPLICATORS CONFERENCE SLATED FOR DECEMBER 3 - 7TH AT LAS VEGAS

More than 100 exhibitors and approximately 2,500 agricultural aircraft operators, their wives, manufacturers, suppliers and others from throughout the world, will meet for the 1974 International Agricultural Aviation Conference December 3rd to 7th at Las Vegas, Nevada. The meet which is sponsored by the National Aerial Applicators Association (NAAPA) is keyed to the theme 'World of Agricultural Aviation '74'. Conference headquarters will be the Las Vegas Hilton and Las Vegas Convention Center. The 100 exhibitors will display their products in 135 separate booths. In addition, 17 fixed-wing and helicopter agricultural aircraft will be on exhibit at the Convention Center.

Also featured will be seminars on a wide range of topics, including ecology, world trends in agricultural and forestry aviation, legislation, safety, chemical development, operating techniques, future aircraft design, insurance, pilot training, equipment design, operating techniques of the various countries represented, expectations of the agricultural aviation industry in the coming ten years, and management symposiums on engines and aircraft.

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NORTH DAKOTA AVIATION ASSOCIATION TO HOLD ANNUAL CONVENTION IN BISMARK, JANUARY 23RD, 24TH & 25TH

As in the past, the North Dakota Aviation Association will be holding their annual convention in Bismarck at a earlier date so as to be able to inject input, into the legislative process, while the legislature is in session.

The Thursday, Friday and Saturday dates will allow the members to attend sessions and also contact their representatives and senators on vital legislation, if needed.

The convention will be held at the Holiday Inn which has greatly expanded its facilities by adding several hundred rooms.

According to Ron Ehlers of Dickinson Air Service, who is Convention Chairman, the Holiday Inn has reserved a block of fifty rooms earmarked for those that want to attend the convention. The Inn will hold these rooms available from now until two weeks before the Convention, so it is very important that if anyone wants rooms, to reserve well in advance. Remember that you should state that this is a NDAO reservation and if you wait too long and fall into the 2-week period, you will be competing with the general public.

The convention committee will be meeting in November to finalize the plans and a mailing will be made directly to the membership in November, according to Flip Hiller, President.

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AVIATION MECHANICS REFRESHER SEMINAR PLANNED

The North Dakota Aeronautics Commission with the cooperation of the Fargo GADO and the help of Mr. Charles Maddox of Van Dusen, Inc., have planned and are sponsoring a 3-day Mechanic, Industry-oriented seminar at Bismarck, N.D. next March 18th, 19th and 20th. The meetings will be arranged so as to allow industry to send in their representatives Monday, Tuesday and depart Thursday or Friday, allowing greater flexibility in participation. Technical representatives of Spark Plug Companies; propeller, engine, airframe and electrical components are expected to be on hand to make the various presentations. Future mailings will be made directly to all registered mechanics, taken from the files of the Fargo GADO and Aeronautics Commission Offices. More information will also be published in future issues of the N.D. Aviation Newsletter.

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WINTERISING AND WEATHERISING

With the first blush of winter behind us and no reports of anyone hurting themselves or bending any metal, North Dakotans, as pilots, can congratulate themselves on the premise that 'perhaps we are getting a little smarter'.

This is the time of the year that a wary eye must be cast upon the weather. Newcomers and old pilots better remind themselves that these are the months that a never-ending succession of lows, seems like one every 3 days, march out of Wyoming and either sneak across S.D. or stagnate, causing low ceilings and associated fog for North Dakota.

During the day, ceilings may lift, but with temperature and dewpoint so close together, evenings have trapped many an unwary pilot, when evening temperatures drop as they inevitably do and fog forms. This coupled with early darkness, which must also be taken into consideration when planning flight operations. Don't forget that with early darkness, there is also the factor of very little twilight so allow plenty of time of to make that landing at a unlimited field.

In the winter, time seems to evaporate, not only do aircraft engines need to be heated, many times they refuse to start. Allow an extra margin of time to play it safe. While heating that engine, make sure that not only are the cylinders heated, heat the accessory case and also make sure that the beams are open and does not have condensation freezing it closed, as water vapors are being driven from the crankcase, as the engine is being heated. Assuming that it is dripping and is partly obstructed while heating, further engine operation in taking and take-off could seal
The North Dakota Flying Farmers Association recently concluded a three-day convention. Tom Rambough, Braddock, was elected president; Fred Gage, Oriska, was named Vice President; Mrs. Clell Rambough, Braddock and Harold G. Vavra, Bismarck were re-elected treasurer and secretary of the group.

Mrs. Jeanne Rau, Medina was crowned Flying Farmer Queen for 1975 and Maxine Grieve, Buffalo was crowned farnerette for the coming year.

Mrs. Joyce Gensrich, Hatton was named Flying Farmer woman of the year. Clell Rambough, Braddock was selected Flying Farmer man of the year for his 26 years of service with the N.D. Flying Farmers Association.

New Regional Directors elected for two year terms of office included John Kirschman, Regent; Bob Chitwood, Alexander; Don BERGE, Northwood; Tom Hoggarth, Courtenay and Donald Hardness, Gwinner, director at large.

The Ladies Auxiliary elected Mrs. Reta Gage, Oriska, President; Cheryl Hoggarth, Courtenay, Vice President and Martha Kirschman, Regent, Newsletter Editor.

128 Flying Farmers and their families attended the banquet Saturday night from North and South Dakota, Minnesota, Iowa, Wisconsin and the Canadian Provinces of Manitoba and Saskatchewan.

During the convention, 12 Flying Farmers took the FAA ground review and biennial flight review, which was given by flight instructors of Jamestown Aviation, Inc., and had their log books endorsed as required by FAA regulations in new Part 61.

** HINTS FROM IOWA **

Cows face into the wind on hot days and away from the wind on cool days. This is because cows have sweat glands on their noses. To keep cool, a cow faces the wind and turns away when she wants to keep warm. On moderate days or when all else fails, look at the wind sock.

Cows, by the way, are probably the number one source of air pollution in the U.S. According to the Food and Nutrition Agency, U.S. cows burp 50 million tons of hydrocarbons into the atmosphere every year. At that rate, it would only take ten cows to supply enough energy to heat a small house.

Maybe all those people who complain about airplane emissions should go back to the farm.  

** IS THIS WHAT GENERAL AVIATION PILOTS ARE REALLY LIKE? **

Business Aviation recently published the results of a study which compares the personality traits of male navy jet pilots, male GA pilots and the average US adult male. Both pilot groups scored significantly higher than the average US male in achievement, tendency to talk about personal adventures and argue for their point of view; ability to do new things and interest in the opposite sex. The pilot groups scored significantly lower on their willingness to do what is expected, organizational ability; participation in groups; need for others’ help and willingness to accept blame, assist others and work hard at a task.

The researchers who conducted the study concluded that the pilot is the active masculine male who is strong, competent and adventurous. Thus, his highly stereotyped image is fairly accurate.

** UND WEATHER MODIFICATION PROGRAM REBUILDING OLD TOWER TRAILER **

The Aviation Department is diligently re-working the Trailer which formerly served as the portable air traffic control tower at Grand Forks International Airport. Upon completion of the re-work, the Trailer will be equipped with a meteorological radar for cloud tracking and a rawinsonde for determining the characteristics of the winds at various altitudes. The end result will be to provide a sophisticated weather monitoring unit to assist in directing cloud seeding and serve as a tool in the process of acceptable water management. The Trailer with its 12 foot radome will have an overall height of over 26 feet and will house such typical items of equipment as control console, transmitter, digitizer rack, pressurizing set, photographic scope, computer terminal and plotter, plus numerous items of tracking gear for the rawinsonde.

The Weather Mod Trailer will be positioned adjacent to the UND Hanger at Grand Forks International Airport during the winter months and used on field assignments during the summer months. This Trailer will be used in conjunction with the current Weather Modification Program being given by the Aviation Department in cooperation with the National Science Foundation and the U.S. Bureau of Reclamation.

RESEARCH GRANT: As part of the overall Weather Modification Program, the Aviation Department received an additional grant through the Bureau of Reclamation to provide research radar, field studies, and other research in connection with the High Plains Cooperative Program. The new Weather Modification Trailer will provide data inputs and monitoring capabilities for downwind research in cooperation with the High Plains Program.

** SPECIAL FLIGHT REVIEW GROUND COURSE by Jeppesen. Includes FAR Part 91 - 10 Value, Limited offer, expires 12-31-76, now only $8.95. Contact Capital Aviation Corporation, Box 1471, Bismarck, N.D. Tel: 223-0260 **