

Aviation Quarterly

Issue # 21

NDAC

WINTER, 1992

From The Chairperson

*Cynthia Schreiber-Beck
Chairperson, NDAC*

"AVIATION—WINGSTHROUGH TIME" is just around the corner and I hope you will take the time to read through the schedule on the insert page and plan to attend the sessions of your choice. Note that some of the sessions are offered twice for your convenience. Also, the registration desk, with Jim Lawler (AAND) in charge, will open on Sunday, February 28, 1993, at 4:00 p.m. It will be necessary for you to stop at the registration desk before attending any of the meetings or functions since there will be monitors, at the entrances to all events and the exhibit hall, to check for your convention badge or the proper ticket required for admittance. Your badges will be ready and waiting for you at the registration desk if you pre-registered for the convention, or you can register at the convention and receive your admittance badge and tickets at that time. Please remember that it is a requirement to belong to, or join, an organization in order to register for the convention. Tickets (\$8.00 each) for the Monday noon luncheon will be available Sunday night, and tickets (\$12.00 each) for the Tuesday night banquet will be available until noon on Tuesday. Round-trip airline tickets for two will be given away in a drawing at both the luncheon and the banquet. Hopefully you will be there to win!

Now that you know a few of the procedures that will change at the 1993 Convention, I'll brief you on some of the exciting events and guests. For the first time in convention history, the entertainment will begin on SUNDAY

night with the ICE BREAKER, planned by Al Pietsch (NDAA). He described it as a JAM Session and said to "bring your instruments." Al invited Danny Clisham (FL) and John Barker (WY) to MC the ICE BREAKER, two men in aviation who know how to have fun. Danny announces at airshows and John does a WWI airshow himself. So, in order to partake in the first ever ICE BREAKER, you need to arrive at the Radisson Inn on Sunday, before 6:30 p.m. Many of the meetings/sessions begin at 9:00 a.m. on Monday, March 1, 1993; the Airport Association of North Dakota scheduled a full day on Monday as did the North Dakota Professional Mechanics Association and the North Dakota Agricultural Aviation Association; in fact a number of ag operators will be in the Bismarck/Mandan schools by 8:30 a.m. Monday morning. Governor Schafer will be speaking to the group at the Monday GOVERNOR'S LUNCHEON (tickets required) and the theme will carry over to LEGISLATIVE NIGHT, held in conjunction with the EXHIBITOR CHILI COOK-OFF. The legislators will also be invited to the Monday, 3:00 p.m., GENERAL SESSION to listen to Bill Hamilton (AOPA Regional Representative, NE), Dave Sclair (Co-publisher of the "General Aviation News and Flyer," WA), Charles Hostetter (Director, Pennsylvania Bureau of Aviation), Chase Stockon (Aviation Program Manager for Denver Regional Council of Governments, CO) and Senator Kent Conrad. The education sessions and meetings continue on Tuesday with the highlight being CAREER DAY, coordinated by Gary Ness (Aeronautics Commission). The 6:00 p.m. SOCIAL HOUR precedes the BANQUET with Tom Poberezny, President of the Experimental Aircraft Association, as guest speaker. Wednesday rediscovers the convention theme, "AVIATION—

WINGS THROUGH TIME", at the Pioneer Rally, with featured speaker Elizabeth Wall Strohfus (MN), a World War II Women Air Force Service Pilot.



TOM POBEREZNY, President, Experimental Aircraft Association and a Top-Flight Aerobatic Pilot will address the annual awards banquet.

1993 Aeronautical Charts Available

To secure a copy:

- Stop by your local FBO
- Contact the Aeronautics Commission Office at 701-224-2748
- Attend the 1993 Aviation Symposium

ND Pilots Association Update

Rick Mercil, NDPA

North Dakota Pilots ... Did you know that if you receive a alcohol-related driving offense you must report it within 60 days to the FAA? Do you know the ruling of BFR's? How about the new Airspace structure?

These topics and more will be discussed at the Upper Midwest Aviation Symposium. Starting at 10:00 a.m. and running through 12:00 every day of the symposium. This review will cover all the necessary regulations, airspace changes and various tidbits of information to give you a comprehensive review prior to your Biennial Flight Review.

And there's more ... in the afternoon, for those who are interested, a discussion will be held on the elements of cockpit resources management. This is a great introduction for husbands and wives who fly together to get duties and responsibilities squared away.

Look for our booth and sign up for whatever session you are interested in. If you have questions there will be a certified flight instructor available to answer questions.

See you there!!!

Pilots Launch Santa Fly-ins to Hospitals in Two States

Sue Ellyn Scaletta
Herald Staff Writer

The Tree of Hope story reported in the last issue of the Quarterly paid big dividends at Christmas. This story has been reprinted with permission of the Grand Forks Herald.

What appeared to wondering eyes at United Hospital Monday was a sleigh full of toys flown in not by reindeer but by pilots of the Nodak Flying Club.

In fact, the organization dispatched a whole fleet of jet-powered sleighs to deliver gifts to children in about 30 North Dakota and Minnesota hospitals.

"One plane was so full there wasn't

room for the co-pilot," said Dennis Endres, one of the Santa's helpers passing out gifts at United. "They put headphones on a giant stuffed panda and he flew in the co-pilot's seat."

The gifts grew on a Tree of Hope planted a year ago by Ray and Celeste Shefland of Bemidji. She is a registered nurse, he is an anesthetist, and the two operate a general aviation flying service.

When pilot and Minnesota Flyer editor Richard Coffee suggested a "fly-in" Christmas party last year for regional pilots, the Sheflands suggested turning the party into a project for a worthy cause.

"We just naturally thought of something to help sick children — we've both worked with them so much," said Celeste Shefland.

So more than 40 private pilots around the region established Tree of Hope collections at their own airports — collected more than 5,000 donations — and flew them to Nary National Airport south of Bemidji.

There, the Sheflands sorted and assembled them and the pilots donated their aircraft and time to transport the gifts to seven Minnesota hospitals.

Word of the project reached Clint Rodnigen, president of the Nodak Flying Club, and this year Trees of Hope blossomed at North Dakota airports too, including Mark Andrews International Airport in Grand Forks.

Last weekend, the Sheflands and the pilots sorted an estimated 10,000 to 12,000 gifts collected in the various efforts. Also helping was 8-year-old Gwen Thayer, who last year was a leukemia patient at the University of Minnesota Hospital. The Barbie Doll she received from the Tree of Hope project fulfilled a special wish. And Gwen survived the illness.

"She was out there all day working and helping," said Celeste Shefland. "It was a real joy to see."

On Monday, a Cessna 182 loaded with gifts headed for Fargo hospitals. And at United, wide-eyed children watched with glee as Endres and Julie Arel passed out games and video tapes and dolls and lions and tigers and bears — oh my!

In a room where children who were able gathered for a Christmas party, Chenoa Tennmancourt, 13, eyed a Scrabble game. Tina Moffett, also 13, was munching a star-shaped cookie and admiring the giant stuffed polar bear. Or maybe the smartly dressed mouse with the adorable face.

In his crib on the ward, 6-month-old Bryce Morin snuggled with a fuzzy brown bear and smiled happily as Endres and Arel moved on down the hall to another child's room.

There are enough gifts for any other children admitted through Christmas. And a cash donation will be used to purchase a Game Boy hand-held video game.

CALENDAR OF EVENTS

February 20-21

Winter Mountain Flying and Crash Survival
FAA Wings Approved Safety Program

Denver, CO

Centennial Airport

Seminar: Feb. 20 8 a.m. - 5 p.m.

Mountain Checkout: Feb. 21

Nominal Fee. For more

information (303) 778-7145

or (303) 466-1718

March 1-3

Upper Midwest Aviation Symposium

Radisson Inn

Bismarck

(701) 258-7700

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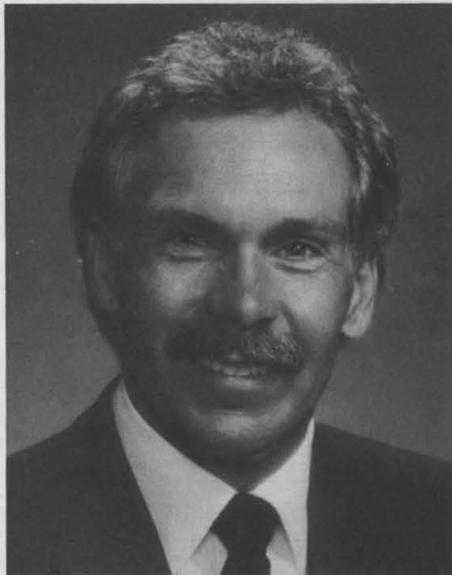
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Governor Ed Schafer will attend the '93 Aviation Symposium as the keynote speaker at the noon luncheon on Monday, March 1.



Small Airports Get Big Break From The FAA

Expensive lighted signs no longer mandatory

Millions of dollars in federal, state and local airport funds will be saved and put to better use this fiscal year, thanks to recent FAA action waiving a requirement for small airports to install lighted airport signs.

The FAA and the National Association of State Aviation Officials

(NASAO) are reviewing a program that would allow states to produce and install at non-commercial airports more affordable reflective signs instead of expensive lighted signs.

"Not only will this action save millions of dollars, but it will enhance safety as well," said Edward Scott, NASAO executive vice president.

"Thousands of general aviation airports will be able to afford to install the new reflective signs in accordance with FAA standards, providing a safety benefit at those airports as well as familiarizing pilots with the new signs prior to encountering them at larger commercial airports."

Scott applauded the FAA action, which waived small airports from a requirement to install lighted signs.

The FAA last year issued an advisory circular establishing new airport signing standards, as well as rulemaking that required the new signs to be installed on Part 139 certificated airports by January 1994. However, because all airports that receive federal funds must comply with advisory circulars, small non-commercial airports were required to install the same expensive lighted signs as at large commercial airports like Chicago O'Hare.

"In comparison to an average of \$2,500 for each lighted sign, most states are able to have the same sign fabricated out of retroreflective materials for about \$400 to \$800," Scott said, adding that small airports with a single runway and taxiway were typically required to install 5 to 10 lighted signs. Airports with multiple runways and taxiways needed 20 or more signs.

Scott cited North Dakota's Hettinger Municipal Airport as a good example of the new program.

"As part of a taxiway project, the FAA wanted the low-activity, general aviation airport to install lighted airport signs at a cost of \$17,500. Instead, the North Dakota Aeronautics Commission had retroreflective signs manufactured to FAA standards and installed them for a total cost of \$1,200 — a savings of \$16,300.

"This is yet another example of the benefits to FAA and the airport community of using state aviation resources to help meet the needs of the national air transportation system.

"The state aviation agencies have a deep commitment to maintaining and sustaining public airports; the use of innovative and affordable ideas like reflective signs helps them meet that commitment."



FROM THE DIRECTOR'S CHAIR

Gary R. Ness, Director
ND Aeronautics Commission

LEGISLATIVE UPDATE

The 53rd Legislative Session has convened in Bismarck. Everyone has an interest in the process.

The senators and house members from across the state have an awesome responsibility to make decisions that affect all the state citizens. The one thing we all have to be aware of, is that each and every elected official needs and will welcome your input into the process.

I have always been amused to hear the media talk about "Special Interest" involved in the process, as if it is evil. Well, it is not evil. We all have a "Special Interest." If we did not, there would be no process. It makes no difference if you agree or disagree, the process works on "Special Interest."

Now regardless of your vocation, profession, political party or non-party affiliation, get involved and participate in the legislative process. Your ideas and opinions are worthwhile if you share them with our representatives or senators. If you want to leave a message, call at 1-800-422-1439.

SYMPOSIUM UPDATE:

This coming March, the North Dakota Aviation Council has put together one of the best schedules for the aviation industry that we have seen in a long time. Speakers from all walks of aviation will be on hand to help us understand the past, present and future of our first love — aviation. Come and join the Council for "AVIATION-WINGS THROUGH TIME."

Pilot Survey

In North Dakota several airports provide recreational access to resorts, parks and tourism. Please complete the survey on where you currently fly or would like to fly.

	Annual # of Flights	N-Number	Make/Model Aircraft
<input type="checkbox"/> Lake Sakakawea	_____	_____	_____
<input type="checkbox"/> Int'l Peace Garden	_____	_____	_____
<input type="checkbox"/> Medora (New Site)	_____	_____	_____
<input type="checkbox"/> Other _____	_____	_____	_____

Comments: _____

Please cut out and mail to: North Dakota Aeronautics Commission, P.O. Box 5020, Bismarck, N.D. 58502 or call (701) 224-4747.

UPPER MIDWEST AVIATION SYMPOSIUM - MARCH 1, 2, 3, 1993

Radisson Inn - Bismarck, ND - (701) 258-7700

PREREGISTRATION FORM

(please print or type)

Name of Participant _____ Spouse's Name _____

Address _____ City _____ State _____ Zip _____

Telephone Number (_____) _____

* PREREGISTRATION FEE:	TOTAL
Member _____ person(s) @ \$40.00	_____
Spouse's Program @ \$15.00	_____
Awards Banquet _____ person(s) @ \$12.00	_____
Noon Luncheon _____ person(s) @ \$8.00	_____
** ORGANIZATIONAL DUES:	
Airport Association of North Dakota (AAND) _____ \$25.00	_____
(Airport Name)	
Associate Membership _____ \$25.00	_____
(Firm/Business Name)	
North Dakota Agricultural Aviation Association (NDAAA) _____ person(s) @ \$50.00	_____
Associate Membership _____ person(s) @ \$10.00	_____
North Dakota Aviation Association (NDAA) _____ person(s) @ \$25.00	_____
North Dakota Flying Farmers (NDFP) _____ person(s) @ \$55.00	_____
North Dakota Pilots Association (NDPA) _____ person(s) @ \$19.00	_____
North Dakota Professional Aviation Mechanics Association (NDPAMA) _____ person(s) @ \$15.00	_____
Experimental Aircraft Association North Dakota Sport Aviation Assc. Inc. EAA - NDSAA _____ person(s) @ \$47.00	_____
TOTAL SUBMITTED	GRAND TOTAL \$ _____

*Registration fee includes: admission to Symposium, Exhibit Area, Speakers, and Coffee Breaks.

**You must join or be a member of an organization to attend the Symposium.

Registration after Feb. 19, 1993 is \$50.00.

MAIL TO: JIM LAWLER, RT. 2 BOX 15B, MANDAN, ND 58554.
 DO NOT MAIL PREREGISTRATION FORM AFTER FEB. 19, 1993

AVIATION - WINGS THROUGH TIME

1993 UPPER MIDWEST AVIATION SYMPOSIUM

February 28, March 1, 2 and 3, 1993 • Radisson Inn, Bismarck, ND • (701) 258-7700

TENTATIVE SCHEDULE

Sunday, February 28, 1993

Time	Organ.	Room	Topic - Speaker
3:00 p.m.	NDAC	1258	Board Meeting
4:00 p.m.	*	Courtyard	Registration Opens
5:00 p.m.	NDAAA	Heart	Board Meeting, President Randy Lahren
6:30 p.m.	*	Courtyard	"ICE BREAKER" - Jam Session & Convention Warm-up, Cash Bar, Pizza *DRAWING* FOR TWO ROUND TRIP AIRLINE TICKETS
8:00 p.m.	*	Courtyard	Hospitality Rooms Open
11:59 p.m.	*	Courtyard	Hospitality Rooms Close

Monday, March 1, 1993 - Continental Day

7:00 a.m.	NDAC	1258	Board Meeting
8:00 a.m.	NDAAA	Heart	Organizer - for pilots going to local schools
	*	Exhibit Hall	Exhibitor Display Area Open for Set-up
	NDAA	3160	ND Aviation Association Meeting - Al Pietsch, President
9:00 a.m.	AAND	Cannonball	Airport Association Board Meeting - M. Ryan
9:30 a.m.	AAND	Cannonball	Storm Water Discharge Permits - Jim Collins, ND Health Dept.
10:00 a.m.	NDAAA	Heart	Recertification - Dean McBride, NDSU Extension Entomologist
	NDPA	3130	Biennial Flight Review Clinic
	ND PAMA	Sheyenne	Covington Aircraft - Ron Hollis P&W - Radial Engine Maintenance Unison - Gary Schriber - Slick Magnetos
10:30 a.m.	AAND	Cannonball	Legislative Panel: Legal Concerns, Lobbying Tips & Legislative Perspective - Gary Ness, Moderator
11:00 a.m.	NDAAA	Heart	Recertification - Richard Zollinger, NDSU Extension Weed Specialist
	ND PAMA	Sheyenne	Business Meeting
	*	Exhibit Hall	Exhibitors Meeting - M. Haberstroh, B. Simmers
11:30 a.m.	*	Exhibit Hall	Exhibits Open (admittance badge required)
Noon	*	Exhibit Hall	Governor's Luncheon (ticket required) - Governor Ed Schafer *DRAWING* FOR TWO ROUND TRIP AIRLINE TICKETS ON CONTINENTAL AIRLINES
1:00 p.m.	NDPA	3130	Cockpit Resource Management (Discussion)
	ND PAMA	Sheyenne	Aviall - Tom Heid - SB & Maintenance on PT-6 Superior Air Parts - Bill Little - Hose & Fittings Champion - Bill Mangold - Recip. Ignition System
1:30 p.m.	*	Exhibit Hall	Exhibits Close
	AAND	Cannonball	Denver's New Airport - Chase Stockon, Denver Regional Council of Governments
	NDAAA	Heart	Recertification - Art Lamey, NDSU Extension Plant Pathologist
	*	Governor's	"Ladies Program" - Penny Rafferty Hamilton, Ph.D., R.D.H. and Elizabeth Wall Strohfus - WWII WASP
2:00 p.m.	AAND	Cannonball	Asphalt Restoration Tech Inc. - Bob Hegerman
	ND PAMA	Sheyenne	Butler Machine - Don Pratt - Aircraft Engine Oil Analysis Canadian Propeller - Maurice Willis - Prop Maintenance
2:05 p.m.	NDAAA	Heart	Business Meeting - Randy Lahren, President Legislative Report - J.B. Lindquist, Gary Ness Aeronautics Report - Roger Pfeiffer, Gary Ness
2:30 p.m.	AAND	Cannonball	American Disabilities Act - Robert Selig, GFK Reg. Airport Auth.
3:00 p.m.	*	Exhibit Hall	General Session Bill Hamilton - AOPA Regional Representative Dave Sclair - Co-Publisher of "General Aviation News and Flyer" Charles Hostetter - Director, Pennsylvania Bureau of Aviation Chase Stockon - Aviation Program Manager for Denver Regional Council of Governments Kent Conrad - U.S. Senator *DRAWING* FOR TWO ROUND TRIP AIRLINE TICKETS
	ND PAMA	Sheyenne	Shell Oil - Ben Visser - Oil Lubricants
4:00 p.m.	ND PAMA	Sheyenne	EC Parts - Gary Greenwood & Roger Fuchs - Reciprocating Engine Overhaul
5:00 p.m.	*	Exhibit Hall	Exhibits Open Legislative Night Exhibitor Chili Cook-Off; Chili Judging at 7:00 p.m.
10:00 p.m.	*	Exhibit Hall	Exhibits Close
	*	Courtyard	Hospitality Rooms Open
11:59 p.m.	*	Courtyard	Hospitality Rooms Close

Tuesday, March 2, 1993 - Northwest Day

7:00 a.m.	NDAC	1258	Board Meeting
	NDAAA	Heart	Recertification - George Maher, NDSU Extension Service
7:30 a.m.	NDAAA	Heart	Recertification - Marcia McMullen, NDSU Extension Plant Pathologist
8:00 a.m.	NDAAA	Heart	Recertification - Bruce Seelig, NDSU Extension Service



Aeronautics Commission Chairman, Jack K. Daniels, presents Roger Pfeiffer with a plaque during Employee Appreciation Week. Roger received this *Flight Safety Achievement Award* for "10,000 hrs. of Pilot-In-Command in State Service."

He has been with the Aeronautics Commission since 1980 as the Assistant Director and Pilot, inspecting the state's 100 airports and flying personnel. Roger has flown every section line in North Dakota and has landed at every public airport in the state.

Previously, Roger served as a pilot for 13 years with the North Dakota Highway Department mapping counties, taking aerial photos and flying department personnel.

Weather Center To Help Students and Farmers

Matthew Cory, Staff Writer

This article was reprinted with permission of the Dakota Student (UND).

The new UND Aerospace Regional Weather Information Center will create educational opportunities for students and help the state's agricultural community, according to Leon Osborne, coordinator of meteorological studies at the Department of Atmospheric Sciences.

The facility, located on the second floor of CASI, has evolved over the last 10 years, Osborne said.

The need for student accessibility and general lack of space were some of the main reasons for the center. Osborne said the three main objectives of the center are "education, research and service."

The Federal Aviation Administration, U.S. Department of Agriculture and Prairie Public Television were the three main sources of funding for the project. Prairie Public Television has loaned the weather center a microwave transmitter that will enable the center to send signals and receive them. The weather center airs a weather forecast of PPTV's *Prairie News Journal*.

(Continued on next page)

(Continued from previous page)

The cost of the remodeling came to about \$40,000. Osborne said most of the equipment was already in place, mostly from the computer center in CAS.

The center is designed to aid the agricultural community. More precise and timely forecasts will help farmers as well as businesses that provide services for farmers.

The center has its own television station and, in conjunction with *Prairie News Journal*, it provides an outlet that will help farmers anticipate and plan for the upcoming week.

Osborne said he has a whole file of testimonials from farmers around the state who said they really like and depend on the extensive weather information provided by the center.

Osborne said it's too early to tell what the benefits of research at the center will be.

The center offers opportunities to students in meteorology, Osborne said. Staffed and managed primarily by students, the facility gives students a real feel for the hands-on aspect of meteorology.

Students are heavily involved in the whole operation of the weather center — everything from computer graphics, to weather analysis to the broadcasting of the information gathered.

A microcomputer provides aviation and meteorology students access to its on-line services. The center has a management group headed by students. The students include: Paul Bieringer, manager of weather forecast; Greg Ulmer, overseer of audio and video production; and Mark Askelson who heads the research. Askelson is the liaison for the atmospheric sciences faculty.

SPECIAL EVENT AN EVENING WITH WILBUR BREWER

On March 3, 1993, an appreciation dinner and roast for North Dakota aviator, cloud seeder, farmer, and rancher Wilbur Brewer will be held at the Radisson Inn Bismarck. Price: \$15 per plate, cash bar. For details, contact Roger Pfeiffer at 224-2748 or Bruce Boe at 224-4751.

	ND PAMA	Sheyenne	Unison - Greg Schriber - Slick Magnetos NASA - Ed Hamlin - High Performance Aircraft Development
8:30 a.m.	AAND	Cannonball	General Aviation Development - Dave Miller, Moderator Economic Assistance - John Van Middlesworth, ND Econ. Dev. & Fin. FBO Incentives - Tom Zollars, Hawthorne Corporation Pilot Services - Bill Hamilton, AOPA
8:45 a.m.	NDAAA	Heart	DowElanco - "The Unwanted Spotlight" Will you be ready when a crisis strikes? This program will walk you through the decision-making process of an actual crisis and shows you how to work with the media and your community to ensure a positive outcome.
9:00 a.m.	ND PAMA	Sheyenne	Champion - Bill Mangold - Turbine Engine Ignition Systems Hutchinson Tech - Mike Mullen - N.D.T.
9:15 a.m.	AAND	Cannonball	Storm Water Discharge Permits - Jim Collins, ND Health Dept.
9:45 a.m.	AAND	Cannonball	Airport Insurance - Bill Wade, Lips & Lahr Insurance
10:00 a.m.	NDAAA	Heart	ND Department of Agriculture - Jack Peterson, Pesticide Division
	NDPA	3130	Biennial Flight Review Clinic
	ND PAMA	Sheyenne	Precision Airmotive - Randy Jenson - Facet Float Carburetors and Bendix Fuel Injection Canadian Propeller - Maurice Wills - Propeller Maintenance
10:30 a.m.	AAND	Cannonball	FAA District Office - Irene Porter and Milt Heupel
	NDAAA	Heart	Recertification - Vern Hofman, NDSU Extension Engineer
11:00 a.m.	NDFF	1258	Business Meeting - Virginia Widmer, President
	ND PAMA	Sheyenne	Covington Aircraft - Ron Hollis - P & W Radial Engine Maintenance NASA - Ed Hamlin - Development of High Performance Aircraft
11:15 a.m.	AAND	Cannonball	North Dakota Aeronautics Commission - Gary Ness, Roger Pfeiffer, Mark Holzer
11:30 a.m.	AAND	Cannonball	Business Meeting - M. Ryan, President
	NDAAA	Heart	Workmans Compensation
	99's	Governor's	Ladies Lunch & Meeting - Elizabeth Wall Strohfus, WWII WASP
	*	Exhibit Hall	Exhibits Open
	*	Exhibit Hall	Soup/Sandwich Buffet Luncheon
1:00 p.m.	NDAAA	Heart	Recertification - Greg Dahl, Pesticide Program Specialist
	NDPA	3130	Cockpit Resource Management (Discussion)
	ND PAMA	Sheyenne	Federal Aviation Administration - George Tomes - AC43, 13-1 Revisions
1:30 p.m.	*	Exhibit Hall	Exhibits Close
	*	Exhibit Hall	Career Day - Gary Ness, Aeronautics Commission High school students will be bussed to the Radisson Inn to learn about careers in aviation. Chase Stockon, Denver
	AAND	Cannonball	GFK AFSS - Bob Fishman, Manager
	NDAAA	Heart	Business Meeting - Randy Lahren, President
2:30 p.m.	NDAAA	Heart	"Using Ethanol" - Dr. Max Shauck, Baylor University, Texas
3:00 p.m.	NDPA	3130	Business Meeting - Rick Mercil, President
3:00 p.m.	ND PAMA	Sheyenne	Shell Oil - Ben Visser - Oil Lubricants Superior Air Parts - Bill Little - Hoses & Fittings
3:15 p.m.	AAND	Cannonball	Bob Graveline - Executive Director, ND Safety Council
3:30 p.m.	NDAAA	Heart	Federal Aviation Administration - Dixie Norton and Les Ellingson, Fargo FSDO
4:00 p.m.	AAND	Cannonball	FFA District Office - Irene Porter and Milt Huepel
	EAA	2160	Business Meeting
	ND PAMA	Sheyenne	Business Meeting
	*	Exhibit Hall	Exhibits Open
5:00 p.m.	NDAC	1258	Business Meeting
6:00 p.m.	*	Exhibit Hall	Exhibits Close
	*	A,B,C, Missouri Ballroom	Social Hour
7:00 p.m.	*	A,B,C, Missouri Ballroom	"Aviation - Wings Through Time" Banquet Tom Poberezny, President EAA - Guest Speaker *DRAWING* FOR TWO ROUND TRIP AIRLINE TICKETS ON NORTHWEST AIRLINES
9:00 p.m.	*	Courtyard	Hospitality Rooms Open
11:59 p.m.	*	Courtyard	Hospitality Rooms Close

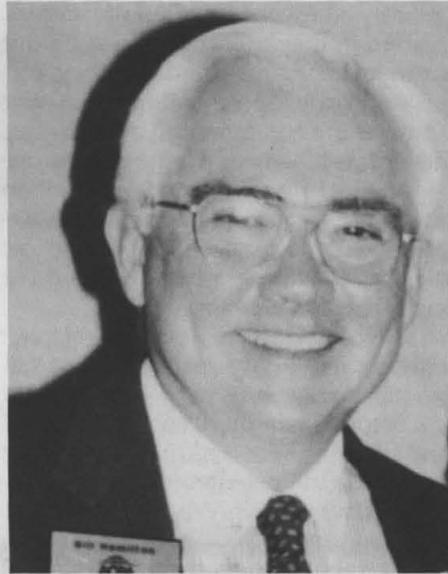
Wednesday, March 3, 1993 - Pioneer Day

7:00 a.m.	NDAC	1258	Board Meeting
8:00 a.m.	*	Exhibit Hall	Continental Breakfast/Exhibits Open
	ND PAMA	Sheyenne	Unison - Ben Visser - Slick Mags
	*	Exhibit Hall	PIONEER RALLY - Continental Breakfast for ND Aviation Pioneers *DRAWING* FOR TWO ROUND TRIP AIRLINE TICKETS
9:00 a.m.	*	Exhibit Hall	PIONEER RALLY Guest Speaker - Elizabeth Wall Strohfus, WWII Women Air Force Service Pilot
	ND PAMA	Sheyenne	Butler Machinery - Don Pratt - Aircraft Engine Oil Analysis
10:00	ND PAMA	Sheyenne	Federal Aviation Administration - FSDO - FAR's and Maintenance with FBO's
Noon	*	Exhibit Hall	Exhibits Close

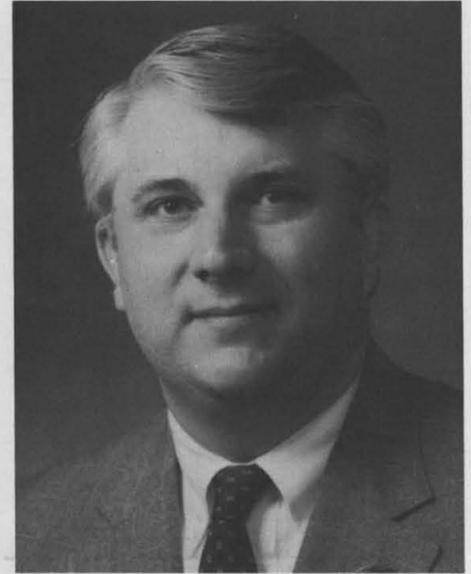
**A National Overview of Aviation
will be presented by a distinguished panel at
the General Session on Monday, March 1st at 3 p.m.
Panel members are pictured below:**



KENT CONRAD
United States Senator



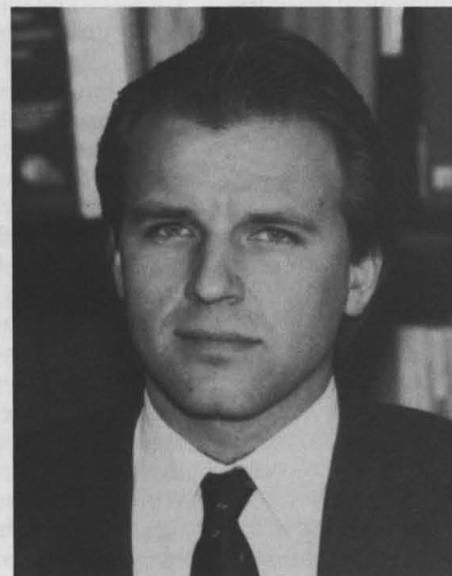
BILL HAMILTON, PH.D.
AOPA Regional Representative



CHARLES H. HOSTETTER
*Director of the Pennsylvania Bureau
of Aviation and Current President
of the National Association of
State Aviation Officials (NASAO)*



DAVE SCLAIR
*Co-Publisher of General Aviation
News & Flyer*



CHASE STOCKON
*Aviation Program Manager for the
Denver Regional Council of
Governments*

From The North Dakota AFSS

Bob Fishman
FAA Air Traffic Manager

As we end another productive year, we would like to wish only the "BEST" to you and yours in 1993. While we look forward in anticipation to what the coming year will bring, we would like to briefly reflect on 1992.

As most of you know, this year your North Dakota Automated Flight Service Station received the National Air Traffic Facility of the Year Award. This recognition honored employees at every level within our AFSS family. In 1992 we also received an FAA Administrator's Commendation for Quality Management of our organizational responsibilities, serving to further complement the FAA's worldwide Quality Management Award presented to us in 1990 (the first recognition of its kind to any organization by the Federal Aviation Administration).

It is most important that each of you be aware of what every employee here knows — that these recognitions are actually tributes to the Total Quality Management (TQM) and partnership in management of our professional responsibilities that exist here at the AFSS. Decisions affecting the widest range of issues are made through total system thinking and processing and based upon needs and comprehension of each of our customers, both internal and external.

To you, our customers, it is of optimum importance that your opinions and needs are communicated and comprehended by us as your provider of vital and desired services.

I would ask that you continue to keep me advised of any special needs so that we may structure the system to serve you better. Our work force, with a reputation and work ethic second to none, is proud to provide you with the "BEST" service possible. With your participation, we will continue to do so.

Winter Flying Visibility Hazards

Les Ellingson
Accident Prevention Program Manager
Fargo Flight Standards District Office

Winter flying, and its precautions are subjects we need to be reminded of every year at this time. A very common restriction to visibility in our northern climate is that of snow showers and/or blowing snow.

Snow showers are often unforecast. Although they are pretty, looking out from our picture window, they can prove deadly to a VFR pilot. If the snow showers are accompanied by darkness, instant IMC can encompass the unwary pilot in a split second. Also, when we find ourselves dodging snow showers, often the innocent snow shower turns into what may be a two-to-three inch widespread snowfall.

Blowing snow in North Dakota can reduce visibility to zero. Again, it can be unforecast. It is hard to predict at what speed wind will start picking up and blowing snow, reducing visibility especially in unsheltered areas.

I spent eighteen years flying in the wooded areas of northern Minnesota. Numerous times in checking enroute weather, Fargo and Grand Forks would be reporting visibility one-eighth to one-quarter mile in blowing snow. In our area visibility would be unrestricted. In my career, I have seen many times, pilots who have lost their lives in continuing flight into restricted visibility, such as snow showers or blowing snow. Many times if they had only waited one hour, visibility would have increased to unlimited. Snow showers and/or blowing snow conditions can subside as quickly as they can come up.

A close friend of mine lost his life in an aircraft accident on Lake of the Woods in northern Minnesota years ago. While ice fishing ten miles from shore, the wind accompanying a small front suddenly came up along with brief snow showers decreasing visibility. With his need to get home for chores that evening he took off, soon getting spatial disorientation. Two hours later, the same afternoon, the weather cleared with CAVU. When we found the wreckage, the thought came to me, "a mere two hour wait and this accident would have been avoided!"

Several times in checking enroute weather we hear the all too often words such as "chance of light snow," "possible snow showers," "increasing winds

may cause blowing and drifting," etc. Be aware! And if you are VFR and are anticipating a night flight, postpone it!

A very good pamphlet on winter flying can be obtained by contacting me at Flight Standards District Office, 1801 23rd Avenue North, Room 216, Fargo, ND 58102, or by calling (701) 232-8949.

AAND News

Michael D. Ryan, President
Airport Association of ND

I am happy to report the Airport Association of North Dakota and the FAA Automated Flight Service Station (AFSS) in Grand Forks have reached an agreement that will enable your airport to send NOTAMs via fax to the Grand Forks AFSS. This new service provided by the flight service station should be available sometime in the very near future. The fax machine has already been purchased for the AFSS but it takes some time to work through the system to have a dedicated phone line installed for the machine.

In the meantime, if you are interested in this service to enhance safety at your airport you should do the following:

1. Contact the AFSS at (701) 772-7489 and arrange to have a letter of agreement signed between the Grand Forks AFSS and your airport.

2. Make arrangements with the AFSS to have your people trained by the AFSS in filling out the new NOTAM form. (Also contact Jim Lawler, AAND Secretary, at (701) 663-0669 so we can consolidate these classes in an effort to expedite the process and reduce travel requirements for the FAA.)

If you currently do not have a fax machine, this may be the justification you need to upgrade your office equipment.

I have received confirmation from Northwest and Continental Airlines that once again each airline will donate a pair of round trip tickets as door prizes for the symposium. We are in the process of contacting other airlines and agencies asking them to participate in the program. I would like to give a special thanks to all of the organizations that have done so much in the past to help make this annual event such a success.

Please mark your calendars for the symposium (March 1-3). See you at the convention.

NDPAMA

David Sahl, President

Convention time is here. Our NDPAMA speakers are set and there should be only minimal changes. The only change I foresee is Wednesday. I'm waiting for one more confirmation before completing Wednesday's schedule.

This year I would like to see an abundance of mechanic safety awards sent in. I know there's a lot of technicians out there that should be recognized for their hard work. It only takes a minute, and if you don't have a 29¢ stamp you can turn it in to me at the registration desk, Monday, March 1st. So, let's do it!

One program you should attend is FAA, George Torres, from the manufacturing standards national field office, on Tuesday. He will be discussing changes in AC 43.13-1A. This will be very informative, since this change affects all of us, it will be a good opportunity for you to ask a lot of questions.

Remember to bring some extra cash. PAMA hats and coats will again be on sale through the convention. Also, we may have another raffle this year.

I would like to thank our local FAA FSDO office for securing our FAA speaker George Torres for our NDPAMA program. Hope to see you all in March.

Flying Farmer News

*Arlyn Kraft
ND Flying Farmer Editor*

For those readers who are not familiar with the International Flying Farmer organization, I will briefly describe the IFF. The IFF has its office in Wichita, KS, at Mid-Continent Airport and shares the office building with Rollins Burdick Hunter of Kansas, Inc. who also writes aircraft insurances for flying farmer members. IFF has three people on staff at this office who handle the day-to-day business of the organization. They can be reached at 316-943-4234 if you would like further information.

Membership in both NDFP and IFF costs a total of \$55 per year. The IFF officers come from the local chapters

(Continued on next page)

ENTRY FORM FOR NORTH DAKOTA AVIATION 1993 MECHANIC SAFETY AWARD PROGRAM

Mail to: David Sahl, 1801 N. 23rd Ave., Room 111, Fargo, ND 58102

INSTRUCTIONS: Use a separate form for each entry.
All entries must be either typewritten or neatly hand lettered.

Name: _____

Address: _____

Telephone No.: _____

FAA Certificate No.: _____

FCC License No.: _____

Employer: _____

Employer's Address: _____

Year first designated a Maintenance Technician: _____

Years Experience: _____

ENTRY DETAILS: Give brief but factual description. Drawings, photographs or other presentations may be included to assist the judging committee. All entries become the property of the Selection Committee and will not be returned.

(If additional space is required, attach additional sheets)

ENTRY SUBMITTED BY: (If other than entrant)

Name: _____

Address: _____

Employer: _____

Address: _____

Position Held: _____

Signature of person submitting entry

Date

NDAAA Update

Cynthia Schreiber-Beck
NDAAA

Legislative:

All operators should be on alert — let NDAAA Lobbyist J.B. Lindquist, or NDAAA President Randy Lahren know if you find any bill relating to the industry. The Association made known their problems with HOUSE BILL #1232, hopefully it did not pass the hearing.

SENATE Bill #2139 was acceptable. At this time there has not been an insurance 'required' bill submitted but we are waiting in the wings to see what will happen.

The vote on the M.E.A.L. Ticket was 'no'. Approximately 37% of the membership voted by the cut-off date. Interestingly enough, one organization said it would not pursue an insurance 'required' bill if the M.E.A.L. Ticket was in place, but by that time the vote had already been taken.

Costs:

Greg Van Doren, Extension Agronomist and Gayles S. Willitt, Extension Economist at Washington State University did a study comparing ground application costs (hired and grower owned equipment) with aerial application costs in the Horse Heaven Hills area of Washington in 1990. From the information it was concluded that for the representative farm, estimated per acre pest control costs for the two ground application equipment alternatives averaged twice as much as costs associated with aerial application. Yield losses were substantial with ground application equipment, due to crop damage from equipment passing through the field and reduced timeliness of application. For the complete study write the authors at Pullman, Washington.

1993

NDFF Calendar of Events

- Jan. 21-24 — IFF Workshop '93**
Cruise; Port Canaveral to Nassau
- Feb. 12-14 — Nebraska Conv.;**
Columbus, NE
- March — Pres. Virginia's Fly-in;**
Oakes
- March 5-7 — Iowa Conv.;** Red
Fox Inn, Waverly
- March 12-14 — Alberta Conv.;**
Hanna, Alberta
- March 19-21 — Kansas Conv.;**
Holiday Inn, Lawrence
- April 2-4 — Manitoba**
Convention; Brandon
- April 2-4 — Colorado Conv.;**
Ramkota Inn, Greeley, CO
- June 5-6 — IFF Queen Sally**
Apple's Fly-in; Piqua, OH
- June 11-13 — Minnesota Conv.;**
Marshall, MN
- June 13 — IFF Pres. Jack Wood's**
Day; Elgin, MB
- June 18-19 — South Dakota**
Conv.; Holiday Inn, Mitchell
- July — Queen Yvonne's Fly-in;**
Braddock
- August — Eielson Museum;**
Hatton
- October 8-9 — ND Convention;**
Bismarck

Congratulations:

NDAAA member Arnie Widmer, Widmer Flying Service, Oakes, was named the 1992 Outstanding Pesticide Applicator of the Year. He received the award at the North Dakota Agricultural Association Short Course and Trade Show in Fargo in November. The industry is proud of you, Arnie (and Virginia).

Flying Farmers ...

(Continued from previous page)

and the eleven directors are elected one from each of the eleven regions in the United States and Canada. These officers and directors serve without pay. The current V. President is Don Zimbleman from Fullerton, ND. Diane Dahl from Cogswell is serving a one year term as IFF Duchess.

IFF promotes aviation safety with its APT program where discounts in insurance rates are available to those pilots who have annual proficiency training. The state and regional meetings are an excellent opportunity for members to exchange ideas and meet new people in all aspects of agriculture. Only IFF officers must be farmers. We have bankers, airport operators, equipment dealers and many other professions in the membership.

IFF organized tours are available to the membership with many being organized by local members who are familiar with the tour areas. Some upcoming tours are as follows: Death Valley Tour, Feb. 21-25th, cost \$295, contact Paula Kramer at 602-584-2667; IFF Mexico tour, Feb. 6-16th, fly or drive yourself for \$1050 and \$975, respectively, phone the IFF office for more information; Puget Sound tour on June 20-24, cost \$435, call IFF for details.

I have gone on several tours in the past and have found them well organized and enjoyable. The most memorable was the fly yourself tour to Costa Rica for two weeks. Because of the political climate enroute the tour now goes commercial airlines when offered.

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