

## SUMMER 1994 NEWSLETTER

WHAT HAPPENED TO THE MILD WEATHER OF SPRING. IT SEEMS THAT WE WENT FROM WINTER TO SUMMER TOO QUICKLY. NOW THAT THE SUMMER IS HERE THE WEATHERMAN WILL SAY , "HAZY, HOT AND HUMID WITH A CHANCE OF AFTERNOON THUNDERSTORMS!", NEARLY EVERY DAY FOR THE NEXT FEW MONTHS. IT GETS BORING !

THINGS CHANGE FAST. AS MANY OF YOU KNOW, WE PURCHASED PRECISIONAIRE INSTRUMENTS. WE HAVE JUST COMPLETED CONSTRUCTION OF A NEW CUSTOM 1400 SQUARE FOOT FACILITY WITHIN OUR EXISTING SPACE TO HOUSE THE INSTRUMENT SHOP. IT'S GREAT!! STOP BY FOR A QUICK TOUR!! WE ANTICIPATE HIRING ONE OR TWO MORE INSTRUMENT TECHNICIANS IN ORDER TO BETTER SERVICE YOUR INSTRUMENT NEEDS.

*WE HAVE ONE SPOT LEFT IN OUR HEATED HANGAR FOR A LONG TERM TENANT  
(\$ 550.00 FOR A LARGE SINGLE ENGINE, LESS FOR A SMALLER HOME BUILT ! )*

YOU NOW CAN CALL 516-588-3543 FOR BOTH AVIONICS AND INSTRUMENTS NEEDS.

**GPS UPDATE:** ON MAY 25, 1994 THE FAA (FINALLY) PUBLISHED ADVISORY CIRCULAR 20-138 "AIRWORTHINESS APPROVAL OF GLOBAL POSITIONING SYSTEM (GPS) FOR NAVIGATION EQUIPMENT FOR USE AS A VFR AND IFR SUPPLEMENTAL NAVIGATION SYSTEM." THIS IS NOT EXACTLY INTERESTING READING, HOWEVER IT DOES SPELL OUT JUST WHAT IS REQUIRED TO GAIN APPROVAL OF GPS SYSTEMS. VFR AND STAND ALONE SYSTEM APPROVALS ARE SIMPLE . PUT IT IN, TEST FLY IT, FILL OUT FORM 337 ( AND GET FIELD APPROVED) AND YOU ARE DONE ! IFR SYSTEMS ARE SOME WHAT MORE COMPLEX. THEY REQUIRE CONNECTION TO A DEDICATED OR EXISTING COURSE DEVIATION INDICATOR, ANNUNCIATOR LIGHTS, AN FAA APPROVED FLIGHT MANUAL SUPPLEMENT, A FIELD APPROVED FORM 337 AND GROUND TESTS AS WELL AS A FLIGHT TEST. THIS PROCESS IS VERY SIMILAR TO THE IFR LORAN APPROVAL PROCESS.

AT THE WRITING OF THIS NEWSLETTER, THE GARMIN GPS-155 IS THE ONLY UNIT CURRENTLY APPROVED FOR TERMINAL, ENROUTE AND NON-PRECISION APPROACH.  
BENDIX KING HAS ANNOUNCED A TRADE UP PROGRAM TO NON-PRECISION APPROACH STATUS FOR BOTH THE KLN-88 AND THE KLN-90 / 90A OWNERS. THIS UNIT IS EXPECTED TO BE AVAILABLE THIS FALL. NORTHSTAR EXPECTS TO HAVE THE M3 APPROVED FOR TERMINAL AND ENROUTE BY LATE SUMMER. WE HAVE NOT HEARD MUCH FROM ARNAV, II MORROW OR TRIMBLE. THE NEW ASHTECH UNIT IS NOT EXPECTED OUT UNTIL LATE THIS FALL.

**UP COMING EVENTS:** WE ARE TRYING TO ARRANGE WITH GARMIN TO HAVE A GPS APPROACH INSTRUCTIONAL SEMINAR LATER THIS SUMMER.

WE WILL ALSO TRY TO HAVE A STORMSCOPE AND TCAD SEMINAR. PLEASE LET PAT IN THE OFFICE KNOW IF YOU WISH TO ATTEND ANY SEMINARS SO THAT WE PUT YOU ON THE LIST.

WE URGE EVERYONE TO ATTEND THE GPS SEMINAR, *ESPECIALLY FLIGHT INSTRUCTORS !*  
WE ARE OPEN TO SUGGESTIONS ON OTHER SEMINARS THAT YOU WOULD LIKE FOR US TO TRY AND ARRANGE.

*FLYING CLUBS :* WE WOULD LIKE TO EXTEND AN INVITATION FOR YOUR CLUB TO HOLD A MEETING AT OUR FACILITY. PLEASE CALL FRED TO DISCUSS.

**SEASONAL ALERTS:** PROTECT YOUR AVIONICS FROM SUMMER'S HEAT! MAKE SURE YOUR AVIONICS COOLING FAN IS OPERATIVE, OR THAT YOUR RAM AIR COOLING IS WORKING. HANGAR YOUR AIRCRAFT OR USE A COCKPIT OR PANEL COVER ( WHITE TOWEL) WHEN EVER POSSIBLE. DON'T FORGET ABOUT "DENSITY ALTITUDE".

**FEATURE JOB:** WE HAVE RECENTLY COMPLETED A NUMBER OF UPGRADES FOR BOB WESLOWSKI IN HIS PIPER ARROW N8326L. THIS INCLUDES INSTALLATION OF A CENTURY SLAVED HSI, AN S-TEC PITCH STABILIZATION SYSTEM (PSS), A II MORROW GPS-2001, A BF GOODRICH WX-900 STORMSCOPE, AN ARGUS 5000 MOVING MAP, A

NAT INTERCOM AND DUAL BOSE HEADSETS. BOB IS A COMMERCIAL PILOT AND INSTRUCTOR, BOTH FIXED WING AND ROTARY WING, AND HAS A GREAT AIRPLANE! HAVE FUN, BOB !

**FROM THE PILOT'S SEAT:** THE NEW INSTRUMENT SHOP IS DONE! I'M VERY EXCITED, I APOLOGIZE THAT I HAVE NOT ALWAYS BEEN AVAILABLE TO MY CUSTOMERS. YOU NOW HAVE MY UNDIVIDED ATTENTION AT ONE LOCATION !

WE HAD ATTENDED THE AEA CONVENTION BACK IN MAY AND HAVE MANY BITS AND PIECES OF INFORMATION REGARDING THE FUTURE OF AVIONICS.

PLEASE CALL ME TO DISCUSS ANY AVIONICS OR INSTRUMENT NEEDS YOU HAVE.

THANK YOU FOR YOUR CONTINUED SUPPORT.

HAPPY FLYING,

FRED