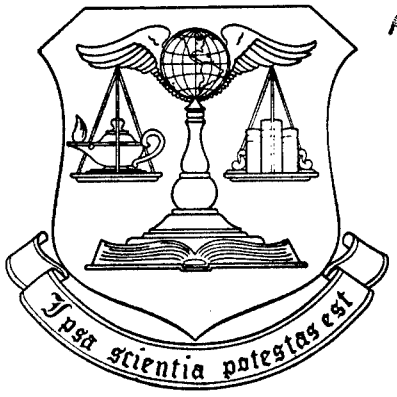
Air University Library Index

to Military Periodicals

CUMULATIVE ISSUE
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Air University Library Index to Military Periodicals

Volume 26 **Number 4**

Cumulative Issue

January-December 1975

Frances B. Rucks, Editor

Air University Library **Maxwell Air Force Base, Ala.**

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This is a cumulative issue. It includes all indexing since the beginning of the current volume. No further reference to Issues Nos. 1-3 is necessary.

Preface

The *Air University Library Index to Military Periodicals* is a subject index to significant articles, news items and editorials appearing in 67 English language military and aeronautical periodicals not indexed in readily available commercial indexing services. The *Index* originated with 23 titles as a quarterly publication in 1949, and has continued on a quarterly basis superseded by annual cumulations; triennial cumulative issues were published from 1952 through 1967. From 1949 to 1962 the *Index* was issued as *Air University Periodical Index.* Staff members in the Reader Services Division and Editing Section of Air University Library index the periodicals with the exception of six titles which other Air Force, Army, and Navy libraries index. *Air University LIbrary Index to Military Periodicals* serves primarily the educational and research programs of Air University. The *Index* is available to other libraries upon request.

This publication has been reviewed and approved by competent personnel of the preparing command in accordance with current directives on doctrine, policy, essentiality, propriety, and quality.

ROBERT B. LANE
Director
Air University Library

Aerosp Hist--Aerospace Historian (q) $20.00. Department of History, Kansas State University, Manhattan, Kans, 66506.

Aerosp Intl--Aerospace International (bim) $15.00. Cosimastr. 4, D-8000 Munich 81, Germany.

Aerosp Med--Aerospace Medicine (changed to Aviation, Space, and Environmental Medicine with Jan 1975 issue).

Aerosp Safety--Aerospace Safety - AFRP 127-2 (m) $10.35. Superintendent of Documents, U.S. Government Printing Office, Washington, DC, 20402.

AF Civil Engr--Air Force Civil Engineer (changed to Air Force Engineering & Services Quarterly with Aug 1975 issue).

AF Compt--The Air Force Comptroller - AFRP 170-2 (q) $3.90. Superintendent of Documents, U.S. Government Printing Office, Washington, DC, 20402.

***AF Engrg & Svcs Qtr--Air Force Engineering and Services Quarterly - AFRP CE 85-1 (q) $3.00. Superintendent of Documents, U.S. Government Printing Office, Washington, DC, 20402.

AF Law Rev--Air Force Law Review - AFRP 110-1 (q) $5.55. Superintendent of Documents, U.S. Government Printing Office, Washington, DC, 20402.

AF Mag--Air Force Magazine (m) $10.00. Air Force Assoc, Suite 400, 1750 Pennsylvania Ave, NW, Washington, DC, 20006.

AF Plcy Ltr for Comdrs: Sup--Air Force Policy Letter for Commanders: Supplement - AFRP 190-2 (m) No price given. Internal Information Division, SAFOII, Pentagon, Washington, DC, 20330.

AF Times--Air Force Times (Eastern Edition) (w) $18.00. Army Times Publishing Co, 475 School St, SW, Washington, DC, 20024.

Air Pict--Air Pictorial (m) $20.00. Seymour International Subscriptions, 1/3 Brixton Road, London, S.W.9, England.

Air Reservist - AFRP 30-1 (10 nos. a year) $4.30. Superintendent of Documents, U.S. Government Printing Office, Washington, DC, 20402.

AU Rev--Air University Review, the Professional Journal of the United States Air Force (bim) $11.60. Superintendent of Documents, U.S. Government Printing Office, Washington, DC, 20402.

Airman, Official Magazine of the U.S. Air Force - AFRP 30-15 (m) $18.20. Superintendent of Documents, U.S. Government Printing Office, Washington, DC, 20402.

Am Avn Hist Soc J--American Aviation Historical Society Journal (q) $12.50. American Aviation Historical Society, P.O. Box 99, Garden Grove, Calif, 92642.

Approach, the Naval Aviation Safety Review - NavAir 00-75-510 (m) $11.70. NAVSAFECEN, NAS, Norfolk, Va, 23511.

Armed Forces & Soc--Armed Forces and Society (q) $16.00. Social Science Building, University of Chicago, Chicago, Ill, 60637.

Armed Forces Compt--Armed Forces Comptroller (q) $7.00. The Armed Forces Comptroller, P.O. Box 291, Falls Church, Va, 22046.

Armed Forces J Intl--Armed Forces Journal International (m) $12.00. Army and Navy Journal, Inc, 1710 Connecticut Ave, NW, Washington, DC, 20009.

Armor (bim) $6.50. Armor, P.O. Box O, Fort Knox, Ky, 40121.

Army (m) $10.00. Assoc of the U.S. Army Fulfillment Manager, 1529 - 18th St, NW, Washington, DC, 20036.

Army Log--Army Logistician (bim) $7.65. Superintendent of Documents, U.S. Government Printing Office, Washington, DC, 20402.

Army Qtr--Army Quarterly and Defence Journal (q) $12.50 (est). West of England Press, Publishers, Ltd, 1, West Street, Tavistock, Devon, England.

***Aviation, Space & Envmt Med--Aviation, Space, and Environmental Medicine (formerly Aerospace Medicine) (m) $35.00. Aerospace Medical Assoc, Washington National Airport, Washington, DC, 20001.

Combat Crew - SACRP 127-1 (m) No price given. Editor, Combat Crew, Hq SAC (DOSE), Offutt AFB, Nebr, 68113.

*Comdrs Dig--Commanders Digest (w) $18.75. American Forces Press Service, 1117 N. 19th St., Arlington, Va, 22209.

Contact - AFITRP 35-1 (bim) No price given. AFIT(CI), Wright-Patterson AFB, Ohio, 45433.

*Def & For Aff Dig--Defense & Foreign Affairs Digest (m) $50.00. Copley & Associates, 266 World Trade Center, San Francisco, Calif, 94111.

Def Mgt J--Defense Management Journal (q) $4.85. Superintendent of Documents, U.S. Government Printing Office, Washington, DC, 20402.

*Def Trans J--Defense Transportation Journal (bim) $20.00. National Defense Transportation Assoc, 1612 K St, NW, Washington, DC, 20006.

Elect Warfare--Electronic Warfare (bim) $15.00. EW Communications, Inc., 3921 E. Bayshore Road, Palo Alto, Calif, 94303.

Fld Arty J--Field Artillery Journal (bim) $6.00. Field Artillery Historical Assoc, Fort Sill, Okla, 73503.

Forum (3 nos. a year) No price given. National War College, Fort Lesley J.McNair, Washington, DC, 20315.

Govt Exec--Government Executive (m) $12.00. 1725 K St, NW, Washington, DC, 20006.

Hawk, the Independent Journal of the Royal Air Force Staff College (a) $1.25 (est). Royal Air Force Staff College, Bracknell, Berkshire, England.

Infantry (bim) $5.95. Editor, Infantry Magazine, Box 2005, Fort Benning, Ga, 31905.

Interavia (m) $25.00. Interavia U.S.A., 275 Madison Ave, New York, NY, 10017.

*Added titles since the 1974 Cumulative Issue

**Titles ceased indexing since the 1974 Cumulative Issue

***Titles changed since the 1974 Cumulative Issue

Interceptor - ADCRP 127-2 (m) No price given. Editor, Interceptor Magazine Magazine, ADC/SED, Ent AFB, Colo, 80912.

Intl Def Rev--International Defense Review (bim) $20.00. Interavia U.S.A., Suite 1800, 212 Fifth Ave, New York, NY, 10010.

J Pol & Mil Sociol--Journal of Political and Military Sociology (sa) $7.50. Department of Sociology, Northern Illinois University, DeKalb, Ill, 60115.

Log Spectrum--Logistics Spectrum (q) $10.00. Society of Logistics Engineers, 3322 South Memorial Parkway, Suite 65, Huntsville, Ala, 35801.

MAC Flyer - MACRP 127-5 (m) $7.90. Superintendent of Documents, U.S. Government Printing Office, Washington, DC, 20402.

MarCor Gaz--Marine Corps Gazette (m) $10.00. P.O. Box 1775, MCB, Quantico, Va, 22134.

Mil Engr--Military Engineer (bim) $15.00. Society of American Military Engineers, 740 - 15th St, NW, Washington, DC, 20005.

Mil Rev--Military Review (m) $8.00. Military Review, USACGSC, Fort Leavenworth, Kans, 66027.

NATO's Fifteen Nations (bim) $15.00. Jules Perel's Publishing Co, Post Box 366, Amstelveen, The Netherlands.

Natl Def--National Defense (bim) $12.00. American Defense Preparedness Assoc, Union Trust Bldg, Washington, DC, 20005.

Natl Guardsman--National Guardsman (11 nos. a year) $3.00. National Guard Assoc of the U.S., 1 Massachusetts Ave, NW, Washington, DC, 20001.

Nav War Col Rev--Naval War College Review (q) No price given. Editor, Naval War College Review, U.S. Naval War College, Newport, RI, 02840.

Navigator - AFRP 50-3 (3 nos. a year) $3.00. Superintendent of Documents, U.S. Government Printing Office, Washington, DC, 20402.

Officer (m) $5.00. Reserve Officers Assoc of the U.S., 1 Constitution Ave, NE, Washington, DC, 20002.

Parameters, the Journal of the Army War College (sa) No price given. Editor, Parameters, U.S. Army War College, Carlisle Barracks, Pa, 17013.

Persp in Def Mgt--Perspectives in Defense Management (irregular) No price given. Editor, Perspectives in Defense Management, Industrial College of the Armed Forces, Fort Lesley J. McNair, Washington, DC, 20319.

RUSI J for Def Studies--RUSI, Journal of the Royal United Services Institute for Defence Studies (q) $12.50 (est). Secretary, Royal United Services Institute for Defence Studies, Whitehall, London, SWIA 2, ET, England.

Review (bim) $10.00. American Logistics Assoc, 1000 Connecticut Ave, NW, Washington, DC, 20036.

Royal Air Forces Qtr--Royal Air Forces Quarterly (q) $4.30 (est). R.A.F.A. Publishing Co, Ltd, 43 Grove Park Road, London, W4 3RU, England.

Sea Power (m) $5.00. Navy League of the U.S., 818-18th St, NW, Washington, DC, 20006.

Signal (10 nos. a year) $9.00. Armed Forces Communications and Electronics Assoc, 5205 Leesburg Pike, Falls Church, Va, 22041.

Soldiers, Official U.S. Army Magazine (m) $18.80. Superintendent of Documents, U.S. Government Printing Office, Washington, DC, 20402.

Soviet Mil Rev--Soviet Military Review (m) $7.00. Soviet Military Review, 2, Marshal Biryuzov St, Moscow 123298, USSR. (Available from Victor Kamkin Agency, 1410 Columbia Rd, Washington, DC, 20009)

Spaceflight (m) $25.00. British Interplanetary Society, 12, Bessborough Gardens, London, SWIV 2JJ, England.

Strat Rev--Strategic Review (q) No price given. United States Strategic Institute, Suite 1204, 1612 K Street, NW, Washington, DC, 20006.

TAC Attack - TACRP 127-1 (m) No price given. Editor, TAC Attack, Hq TAC(SEPP), Langley AFB, Va, 23665.

TIG Brief--The Inspector General Brief - AFRP 11-1 (biw) No price given. Editor, TIG Brief, AF/IGEP, Hq USAF, Washington, DC, 20330. Limited to AF offices.

Translog (11 nos. a year) $7.60. Superintendent of Documents, U.S. Government Printing Office, Washington, DC, 20402.

USAF Ftr Wpns Rev--USAF Fighter Weapons Review (q) No price given. 57th Fighter Weapons Wing (DON), Nellis AFB, Nev, 89191.

**USAF TAWC Rev--USAF TAWC Review - USAFTAWC RP 55-1 (ceased publication with vol 5, no. 4, Winter 1974 issue)

USA Avn Dig--United States Army Aviation Digest (m) $15.70. Superintendent of Documents, U.S. Government Printing Office, Washington, DC, 20402.

US Nav Inst Proc--United States Naval Institute Proceedings (m) $12.50. U.S. Naval Institute, Annapolis, Md, 21402.

The following abbreviations are used to denote frequency of issue:

a	annual	bim	every two months
biw	every two weeks and/or twice a month		
m	monthly	q	quarterly
sa	twice a year	w	weekly

ARRANGEMENT

The subject entries are constructed on the direct entry principle. Most sponsor agency entries under U.S. have been eliminated and entry is directly under subject agency, e.g., STRATEGIC AIR COMMAND, not U.S. AIR FORCE. STRATEGIC AIR COMMAND. Specific military services of various countries are entered under their name, followed by the name of their country, e.g., AIR FORCE--Great Britain; ARMY--United States.

Material on United States military aircraft by name has been entered under the headings AIRPLANE TYPE; HELICOPTER TYPE; MISSILE TYPE. United States space vehicles by name have been entered under the heading SPACE PROJECT.

AERONAUTICS here embraces the technical and technological aspects of aviation and aircraft; AVIATION the art of flying, both military and civilian; and AIRLINES the commercial transportation companies; FLYING popular, nontechnical articles on the pleasures of flying.

Government departments are listed alphabetically by department title, e.g., DEFENSE DEPT--United States, not DEPARTMENT OF DEFENSE.

Author entries are included for admirals, generals, Dept of Defense officials, and others who are prominent in some field of Index interest.

An organization's abbreviation, if it is a national term, is used not only as a cross reference (e.g., NATO see NORTH ATLANTIC TREATY ORGANIZATION) but also as geographic subdivision (e.g., DEFENSES--NATO). Abbreviations and acronyms are listed at the beginning of their alphabetical section. However, the artificial words LASERS and LORAN are accepted as normal words and are so listed alphabetically.

Reviews of books are grouped under BOOK REVIEWS; military poetry is listed under POEMS.

KEY TO ABBREVIATIONS

+ (after paging)	continuation of article not paged consecutively	Jun	June
Apr	April	Mar	March
Aug	August	Nov	November
bibliog	bibliography	No.	number
biog	biography	obit	obituary
chart	organizational chart	Oct	October
Dec	December	por	portrait(s)
Feb	February	Sep	September
illus	illustration(s)	sup	supplement
Jan	January	tab	table(s)
Jul	July	trans	translated
		vol	volume

EXPLANATION

Sample entry:

AIR UNIVERSITY

Why professional military education? LtGen F. Michael Rogers. illus AU Rev 26:2-9 Jul-Aug '75

Explanation:

Under the subject AIR UNIVERSITY an article entitled "Why professional military education?" by LtGen F. Michael Rogers, with illustrations, appears in the magazine Air University Review, volume 26, on pages 2 through 9, the July-August 1975 issue.

A

AABNCP see Advanced Airborne Command Posts

ACW see Aircraft Control and Warning

AECP see Airman Education and Commissioning Program

AFAA see Air Force Audit Agency

AFCEA see Armed Forces Communications and Electronics Association

AFCENT see Allied Forces, Central Europe

AFDAA see Air Force Data Automation Agency

AFISC see Air Force Inspection and Safety Center

AFIT see Air Force Institute of Technology

AFMPC see Air Force Military Personnel Center

AFOSI see Office of Special Investigations

AFRES see Headquarters Air Force Reserve

AFROTC see Reserve Officers Training Corps--Air Force

AFTEC see Air Force Test and Evaluation Center

ALPA see Air Line Pilots Association

AMST see Advanced Medium Short Takeoff and Landing Transport

APC see Armored Vehicles

APR see Airman Performance Reports

ASW see Antisubmarine Warfare

AUSA see Association of the U. S. Army

AUTODIN see Automatic Digital Network

AUTOVON see Automatic Voice Network

AWACS see Airborne Warning and Control System

AWADS see Adverse Weather Aerial Delivery System

ABBREVIATIONS

Acronyms used in this issue. USA Avn Dig 21:2 Jan '75

ABRAMS, Creighton W., Jr

4 $1,000 scholarships honor Abe's memory. Officer 51:28 Apr '75

ABSENT WITHOUT LEAVE see Crimes and Misdemeanors

ACADEMIC INSTRUCTOR AND ALLIED OFFICER SCHOOL

Where instructors get to be that way. (Academic Instructor Course, Maxwell AFB, Ala) Maj Eric S. Doten. illus Airman 19:11-13 Mar '75

ACCELERATION

Cardiopulmonary effects of combined exercise and $+G_z$ acceleration. S. A. Nunneley and D. S. Shindell. illus tab Aviation, Space & Envmt Med 46:878-882 Jul '75

Choice reaction time to visual motion during prolonged rotary motion in airline pilots. John D. Stewart and Brant Clark. illus Aviation, Space & Envmt Med 46:767-771 Jun '75

ACCELERATION - Continued

G-tolerance and protection with anti-G suit concepts. R. R. Burton and R. W. Krutz, Jr. illus tabs Aviation, Space & Envmt Med 46:119-124 Feb '75

$+G_z$ tolerance in man after 14-day bedrest periods with isometric and isotonic exercise conditioning. J. E. Greenleaf and others. illus tabs Aviation, Space & Envmt Med 46:671-678 May '75

Head movement induced by angular oscillation of the body in the pitch and roll axes. G. R. Barnes and B. H. Rance. illus tabs Aviation, Space & Envmt Med 46:987-993 Aug '75

Physiologic effects of seatback angles <45° (from the vertical) relative to G. R. R. Burton and others. illus tabs Aviation, Space & Envmt Med 46:887-897 Jul '75

Re-evaluation of a tilt-back seat as a means of increasing acceleration tolerance. John W. Burns. illus tabs Aviation, Space & Envmt Med 46:55-63 Jan '75

Some lesser-known advantages of the metric system for acceleration research. Harald J. von Beckh. Aviation, Space & Envmt Med 46:849-850 Jun '75

Transfer functions for arterial oxygen saturation during $+G_z$ stress. Ken K. Gillingham and Russell R. Burton. tabs Aviation, Space & Envmt Med 46: 1329-1335 Nov '75

Vestibular-ocular accommodation reflex in man. Brant Clark and others. tabs Aviation, Space & Envmt Med 46:1336-1339 Nov '75

ACCIDENT PREVENTION

See also
Safety Programs

ACM (Air Combat Maneuvering) with safety. J. S. Brickner and others. illus Approach 20:14-15 Jun '75

Accidentor analysis. illus Interceptor 17:12-15 Apr '75

Accountability and the accident rate. illus tabs Interceptor 17:5-7 Nov '75

Air lines: Safety first. Govt Exec 7:38 Sep '75

Another season of ... lightning strikes. Capt Billy D. Bainter. illus tabs Combat Crew 25:22-24 Jun '75

As the c(ommanding) o(fficer) goes ... so goes the squadron. LtCol Henry F. Lackey. illus Interceptor 17:16-17 Feb '75

Be a weight watcher. illus Approach 20:1-3 Jan '75

Beaks (birdstrikes)--don't be the first. illus Interceptor 17:12-13 Oct '75

Beware the fog. illus Approach 20:14-15 Jan '75

Biorhythms and accident prevention. TIG Brief 27:6 Dec 5 '75

Bug smashers, gliders and other flying things. Capt Marty Steere. illus TAC Attack 15:24-25 Dec '75

"But I didn't write it up." Capt Ted R. Powers. illus TAC Attack 15:22-23 May '75

Catalytic converters. TIG Brief 27:14 Aug 1 '75

Command responsibilities in accident investigation and review. TIG Brief 27:5-6 Nov 7 '75

Compound emergencies. Col Jerry Schwene. illus Aerosp Safety 31:3-5 Mar '75

Compressed gas storage. TIG Brief 27:12 Jan 31 '75

ACCIDENT PREVENTION - Continued

Contradictions in midair collision prevention? LtCol S.G.Henley. illus Aerosp Safety 31:1-4 Nov '75

Does safety limit operations? LtCol Thomas E.Blevins. illus Aerosp Safety 31:1-2 Aug '75

Done in: Dynamically. Capt J.P.Cress. illus tab Approach 20:12-14 May '75

A down to earth approach: The GPWS (Ground Proximity Warning System). MAC Flyer 22:21 Dec '75

The drag bag. illus Aerosp Safety 31:8-10 Jun '75

Egress explosives mishaps need commanders' attention. TIG Brief 27:10 Dec 5 '75

Egress mishaps are caused by ... Supervisors! Workers! MSgt William M.Poe and others. illus TAC Attack 15:28-29 Sep '75

Emergency low-visibility approach procedures for aviation facility ships. LT Virgil R.Siler. illus Approach 21:12-13 Oct '75

En garde. LT Sergei M.Kowalchik. illus tab Approach 20:10-11 Apr '75

Explosives safety. illus Interceptor 17:20-22 Dec '75

Explosives scrap material. TIG Brief 27:11 Apr 11 '75

Explosives scrap material. TIG Brief 27:4 Sep 12 '75

External loads. illus Approach 21:6-7 Sep '75

FAA effectiveness on ATC challenged. (Hearing on crash of Trans World Airlines Flight 514, Dec 1, 1974) Charles E.Schneider. (Reprinted from Aviation Week & Space Technology, March 24, 1975) illus MAC Flyer 22:9-11 Jul '75

FOD at all levels. Capt Jon R.New. Aerosp Safety 31:20 Sep '75

Flightline obstacle course. LtCol Charles F.Yount. illus Aerosp Safety 31:20-21 May '75

Flying safety is not paramount. Maj Joe Tillman. illus TAC Attack 15:4-7 Feb '75

"For fools and second lieutenants." Col F.Max McCullar. illus USA Avn Dig 20:30-33 Sep '74; MAC Flyer 22:18-21 Jan '75

For the birds. Maj Richard W.Blatter. map illus Combat Crew 25:4-7+ Oct '75

Fuel exhaustion mishaps. illus Approach 21:6-8 Oct '75

GAO/OSHA (General Accounting Office/Occupational Safety and Health Act) inspections. TIG Brief 27:9 Oct 10 '75

The gas ghost. (Fuel leak) Capt Milton G.Schellhase. illus MAC Flyer 22:22-23 May '75

The great survival kit boom. Capt Mike Byers. illus TAC Attack 15:22-24 Jul '75

Ground Proximity Warning System (GPWS). Elmer Bach. illus Aerosp Safety 31:2-3 Apr '75

Hazards of explosives. illus TAC Attack 15:13 Oct '75

Helicopter accident prevention. Gen Paul K.Carlton. TIG Brief 27:2 Dec 5 '75

Helmets, lights seen cutting cycle deaths. AF Times 36:18 Nov 26 '75

How to make (suggestions for) changes (on aircraft). Maj Brian C.Bernet. illus Aerosp Safety 31:26-27 May '75

ACCIDENT PREVENTION - Continued

Hydroplaning in the F-4. Capt Marty Steere. illus TAC Attack 15:4-6 Jul '75

An idea from the line. (Solving the terrain clearance problem) illus MAC Flyer 22:12-13 Aug '75

Industrial dilemma. Fred Budinger. Aerosp Safety 31:1 Dec '75

Inspection of vending machines. TIG Brief 27:8 Nov 7 '75

It's a bird, it's a plane, it's a dropped object. Capt Robert M.Carnes. illus TAC Attack 15:18-20 Jul '75; Adaptation. Aerosp Safety 31:8-10 Dec '75

It's a real attention getter. (GPWS, Ground Proximity Warning System) Capt Bernd McConnell. illus MAC Flyer 22:21-23 Dec '75

Jewelry & machines. Sgt1C Jerry E.Mills. illus USA Avn Dig 21:44-45 Dec '75

Joint effort fights cycle accidents. AF Times 35:23 Jun 25 '75

King of the road (F-4). illus Approach 21:1-3 Aug '75

Kung Fu (Star) strikes. TIG Brief 27:6 Sep 26 '75

Landing good and bad. illus Aerosp Safety 31:2-4 Oct '75

The last line of defense. Gerard M.Bruggink. illus USA Avn Dig 21:30-33 Oct '75

Leadership. LtCol Thomas E.Blevins. illus Aerosp Safety 31:4-5 Dec '75

Life changes and accident behavior. Robert A.Alkov. illus tabs Approach 20:18-20 Feb '75; USA Avn Dig 21:33-35 Nov '75

Lock the barn door: Accident prevention. TIG Brief 27:16 Mar 14 '75

MAC crews who said no (to air traffic control errors). MAC Flyer 22:3-5 Jun '75

Maintenance checklist usage. TIG Brief 27:6 Nov 7 '75

Maintenance delays and safety. TIG Brief 27:3 Aug 15 '75

Maintenance in high places. David M.Gilchriest. illus Aerosp Safety 31:24-25 Mar '75

Midair collision prevention. (Reprinted from the Inspector General Brief, Sep 15, 1972) TIG Brief 27:13-14 Apr 25 '75

NATOPS and safety. Col R.A.Walker. illus Approach 20:6-7 Apr '75

Needed: A tangible aeronautical goal. Capt Paul E. Hanover. illus Approach 20:12-13 Mar '75

The nickel-cadmium battery. John C.Rosen. illus Approach 20:24-27 Jun '75

No excuse (for taxi mishaps). Maj Robert H.Ikelman. illus Aerosp Safety 31:22-23 May '75

Nuclear information files. TIG Brief 27:10 Oct 10 '75

OHR (Operational Hazard Report)--passport to safety. Téd Kontos. illus USA Avn Dig 21:36-38 Oct '75

OSHA (Occupational Safety and Health Act) supervisor is key to accident prevention. John H.Stender. illus TAC Attack 15:10-11 May '75

Precautionary landing--why not? Patsy Thompson. illus tab USA Avn Dig 21:36-37 Sep '75

ACCIDENT PREVENTION - Continued

Prop overspeed. illus Approach 20:16-17 Mar '75

Props are still here! LCDR T.E. Duke. illus Approach 20:6-7 May '75

Review of aviation safety measures which have application to aviation accident prevention. John D. Dougherty. tabs Aviation, Space & Envmt Med 46:82-85 Jan '75

Review of explosives accident reports. TIG Brief 27:16 Mar 14 '75

Rings can be dangerous. TIG Brief 27:15 Aug 1 '75

The SOF (Supervisor Of Flying). Capt Anthony McGarvey. illus Aerosp Safety 31:10-13 Mar '75

The Safety Analysis Summary (SAS). TIG Brief 27:11 Oct 10 '75

Safety at the top. Ted Ferry. illus USA Avn Dig 21: 44-45 Nov '75

Safety in medical storage. TIG Brief 27:4 Aug 29 '75

Safety inspections: Symptom versus cause. TIG Brief 27:9 Oct 24 '75

Safety management: More than esoteric eggs in choice baskets. Francis S. McGlade. Def Mgt J 11:41-43 Apr '75

Safety of nuclear weapon systems. TIG Brief 27:5 Sep 12 '75

Safety through communication. Capt H. M. Hoffman. illus tab Approach 20:8-9 Jun '75

The secret of Cordillera Real. (Air traffic structures in remote regions of the world can lead aircrews to disaster) Capt A.R. Barbin. illus MAC Flyer 22: 18-20 Mar '75

Short lived go-around. (Emergency procedures) illus MAC Flyer 22:22-23 Mar '75

Simulator emergency egress. TIG Brief 27:8 Sep 12 '75

Something new in (AF) hazard reporting. illus USA Avn Dig 20:38-40 Dec '74

Static grounding. TIG Brief 27:7-8 Nov 7 '75

Stress & accidents. Tom Hirsh. (Adapted from Family Safety, Fall 1974) tab TAC Attack 15:26-27 Jan '75

Supervisor of flying--get ready, pilots, your turn's coming. LtCol James S. Lott. illus Combat Crew 25:11-13 Jul '75

System safety--a new doctrine for a new era. LtCol William F. Gabella. illus tabs USA Avn Dig 21: 38-41 Apr '75

T-29, Cessna accident: Better air collision controls pushed. AF Times 35:23 May 21 '75

Teamwork and accident prevention. MSgt Edward E. Whalen. TAC Attack 15:20-21 Oct '75

Terrain clearance studied (by Air Force task group). illus MAC Flyer 22:13-15 Aug '75

Thoughts on safety. Interview. BrigGen Charles E. Yeager. illus Aerosp Safety 31:2-3 Jan '75

Tips for aviation safety officers. illus USA Avn Dig 20:38-40 Sep '74

Twist, strain and pain loading airplanes. MSgt William H. Weaver. illus Aerosp Safety 31:18-20 Feb '75

ACCIDENT PREVENTION - Continued

Upset by the wind machine? LtCol Owen A. Heeter. illus Aerosp Safety 31:3 Aug '75

Vehicle accident research project. TIG Brief 27:9 Apr 25 '75

The voice at six o'clock. MSgt Charles A. Sweeney. illus MAC Flyer 22:14-15 Sep '75

Watch out for the BS (Bug Smashers). illus TAC Attack 15:24-25 Mar '75

Why? (NOE flight training safety guidelines needed) Col Samuel P. Kalagian. USA Avn Dig 21:38 Aug '75

You'd better believe it! (Fire warning lights) Capt Stephen D. Cross. illus Aerosp Safety 31:14-15 May '75

Your severe weather plan. SMSgt Savoie. illus TAC Attack 15:20-21 Mar '75

Study and Teaching

Aviation safety programs at Monterey (Naval Postgraduate School). (Interview with CAPT Clyde H. Tuomela) illus Approach 20:9-11 May '75

ACCIDENTS

AF Form 711ab, 'Ground Accident Report--Nonmajor.' TIG Brief 27:4 Aug 1 '75

Aircraft-type crash injury investigation of a commuter train collision. Gale E. Braden. illus tab Aviation, Space & Envmt Med 46:1157-1160 Sep '75

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AIRMAN EDUCATION AND COMMISSIONING PROGRAM

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A-1

'Sandy' (A-1) and the SLUF (A-7)! Capt Harry J. Kieling, Jr. illus tabs USAF Ftr Wpns Rev, pp 2-12, Spring '75

AIRPLANE TYPE - Continued

A-4

A-4 nose pitchup on takeoff. LCDR C.N.Sapp, Jr. illus Approach 21:10-11 Oct '75

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A-10 gets go-ahead; B-1 flies--DOD puts in order for 52 fighters. illus AF Times 35:5 Jan 8 '75

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A-26

History

A-26. Maj Jay Norton. illus TAC Attack 15:16-17 Jun '75

AC-130

From a bucket and a rope. (Mission of AC-130 is armed reconnaissance) Maj John T. Correll. illus Airman 19:24-29 Jul '75

Pave Pronto. (919th Special Operations Gp, AF Reservists, Eglin AFB, Fla, converted from tactical airlift to armed reconnaissance or gunship mission, July 1, 1975) illus Air Reservist 27: 10-11 Nov '75

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European NATO requirements for shipborne aircraft. Capt F.De Blocq van Kuffeler, Ret. illus Air Pict 37:292-294 Aug '75

Harrier: The horizon widens. Derek Wood. illus tab Interavia 30:1175-1179 Nov '75

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V/STOL and Marine Aviation. Col John R.Braddon. illus MarCor Gaz 59:47-51 May '75

Albatross

See HU-16

B-1

A-10 gets go-ahead; B-1 flies--DOD puts in order for 52 fighters. illus AF Times 35:5 Jan 8 '75

The B-1. (Remarks, Air Force Assoc Symposium, Shreveport, La, Nov 13, 1974) MajGen H.M. Darmstandler. AF Plcy Ltr for Comdrs: Sup No.2:2-7 Feb '75

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The B-1--it deserves a fair hearing before the verdict. illus Armed Forces J Intl 112:22 Apr '75

The B-1: Myth and reality. (Excerpts from speech, Commonwealth Club of California, Sep '75) MajGen Harry M.Darmstandler, Ret. AF Mag 58:60-61 Oct '75

The B-1 strategic bomber--a costly essential. J.Philip Geddes. illus tab Intl Def Rev 8:195-200 Apr '75

B-1's first supersonic flight. Armed Forces J Intl 112:20 May '75

EMUX (Electrical MUltipleX), the B-1's hidden system. William R.Fitzgerald and John W.Canto. illus Signal 29:57-60+ May-Jun '75

How not to do a "B-1 bomber job" on the Congress. C.W.Borklund. illus Govt Exec 7:33+ Jun '75

Insight on current policy. Gen David C.Jones and William V.McBride. illus Air Reservist 26:13 Apr '75

New wings for the Air Force (B-1 bomber, AWACS, AABNCP). illus Natl Guardsman 29:3-10 Jul '75

Prototype B-1. MSgt Eddie McCrossan. Pictorial. Airman 19:42-47 Jul '75

Rockwell International's B-1 bomber at a critical point. J.Philip Geddes. tabs illus (Also cutaways) Interavia 30:132-138 Feb '75

SAC's plans for tomorrow's nuclear balance. Interview. Gen Russell E.Dougherty. illus AF Mag 58: 42-47 May '75

Supersonic pork barrel? (B-1) C.W.Borklund. Govt Exec 7:48-49 Mar '75

Tomorrow's U.S. strategic posture. (Second report on AFA's Symposium on "New Dimensions in Strategic Deterrence," Shreveport, La, Nov 13-14, 1974) Edgar Ulsamer. illus AF Mag 58:78-81 Feb '75

AIRPLANE TYPE - Continued

B-1 - Cont'd

Why do we need the B-1? Interview. James R. Schlesinger. Contact, p 11, Fall '75

Costs

The B-1 strategic bomber--a costly essential. J. Philip Geddes. illus tab Intl Def Rev 8:195-200 Apr '75

Rockwell International's B-1 bomber at a critical point. J. Philip Geddes. tabs illus (Also cutaways) Interavia 30:132-138 Feb '75

(SecAF) McLucas firmly against force cuts. AF Times 35:5 Mar 12 '75

B-17

Goin' home. James G. Carroll. illus Aerosp Hist 22: 158-160 Sep '75

B-26

Walker's Wildcats. (Historical account of a gas-laden bomber--blueprint for disaster) illus MAC Flyer 22:10-13 Nov '75

B-29

The B-29, the A-bomb, and the Japanese surrender. Herman S. Wolk. illus AF Mag 58:55-61 Feb '75

B-36

The jet-pod B-36--a new lease on life. Meyers K. Jacobsen. illus Am Avn Hist Soc J 19:66-68 Spring '74; 19:297 Winter '74

B-47

B-47 Stratojet. BrigGen Earl G. Peck. illus Aerosp Hist 22:61-64 Jun '75

B-52

Automated offset--an adventure in advanced bombing. Capt Vaughn A. Johnson. illus Combat Crew 25:4-5+ Aug '75

B-52 ejection system--improvements are on the way. LtCol William P. Hurn. illus Combat Crew 25:4-5 Feb '75

BUF copilot. Lt Thomas B. Moncure. illus Combat Crew 25:16-19 Oct '75

Obvious ... in hindsight. Maj Charles W. Davis. illus Combat Crew 25:16-17 Feb '75

Supersonic pork barrel? (B-1) C. W. Borklund. Govt Exec 7:48-49 Mar '75

A time for pilot action: B-52 engine-out, roll and yaw considerations. Capt Albert W. Perez. illus tab Combat Crew 25:12-13 Jan '75

History

The (B-52)D will never die. LtCol William P. Hurn. illus Combat Crew 25:4-7+ Mar '75

Still going strong: The B-52 in its third decade. William G. Holder. illus AU Rev 26:48-62 Sep-Oct '75

20 years later, B-52s remain active. illus AF Times 35:28 Jul 9 '75

Study and Teaching

All this harassment. Capt H. William Dettmer. illus Combat Crew 25:16-18 Sep '75

AIRPLANE TYPE - Continued

C-5

C-5 gets 8-pack of F-5s: Buyers abroad sent fighters. illus AF Times 35:30 Mar 26 '75

The C-5 in support of international logistics. illus Def Trans J 31:41-42+ Oct '75

The C-5 takes it in the air. (In-flight refueling) Maj Duane Tuttle. illus MAC Flyer 22:6-8 Dec '75

C-5 wing fix set at $897-million: 5 years after AFJ's "irresponsible" story. Armed Forces J Intl 112:20 May '75

Fat Albert (C-5). illus Combat Crew 25:28-29 Aug '75

Galaxy avionics mods are bearing fruit. illus MAC Flyer 22:10-12 Jan '75

Hurricane on wheels (C-5). illus MAC Flyer 22:27 Feb '75

Locks (on the plane's rear ramp) blamed in Saigon C-5 crash. AF Times 35:12 Jul 2 '75

MAC lauded for Mid East airlift ... but GAO also finds many problems. AF Times 35:17 May 7 '75

MAC's MADARS GPS (MAlfunction Detection Analysis and Recording Subsystem/Ground Processing System)--complete computerized maintenance for the C-5A. illus AF Compt 9:28-29 Oct '75

Operation Cold Juice. (Inflight refueling of the C-5) illus Air Reservist 27:8-9 May '75

Plans set for new C-5 wing. AF Times 35:28 Jul 16 '75

Tigers with a tale. (USAF airlifts F-5E Tiger II's in the C-5) 2dLt Joan C. Woellner. illus Airman 19: 40-41 Sep '75

Viet (C-5) crash prompts change. AF Times 35:8 Apr 30 '75

Maintenance and Repair

Getting the C-5 off the ground. illus MAC Flyer 22: 22-23 Jan '75

C-46

The C-46 and C-47 in CBI (China, Burma, India) operations. H. L. Buller. illus Aerosp Hist 22: 80-83 Jun '75

C-47

The C-46 and C-47 in CBI (China, Burma, India) operations. H. L. Buller. illus Aerosp Hist 22: 80-83 Jun '75

C-123

Reservists in the Canal Zone: Good practical experience ... it adds up. illus Air Reservist 26:4-5 Dec '74-Jan '75

C-124

The end of an era--Old Shakey bows out. LtCol Arthur Eddy. illus MAC Flyer 22:6-8 Jan '75

C-130

ANG, Reservists battle California blaze. illus AF Times 36:28 Sep 3 '75

British military airlift: A new concept. WgComdr R. B. Myles. illus Hawk No. 36:37-39+ Feb '75

AIRPLANE TYPE - Continued

C-130 - Cont'd

The C-130 fin stall phenomenon. (Adapted from TAC Attack, April 1972) illus MAC Flyer 22:20-23 Jul '75

The fire fighters. (Modular Airborne Fire Fighting System (MAFFS)) LtCol Bob Zehring and A1C Allen D.Childers. illus Air Reservist 27:4-5 Oct '75

Milk run. (A routine flight becomes a near-disaster in Vietnam, and a C-130 crew earns the Silver Star) Capt John B.Taylor. illus Airman 19:42-47 Feb '75

'Operation Quick Change' ... or look, we can do it ourselves. (Major structural remodification of an Air Force C-130 by AFR's 909th Consolidated Maintenance Sq) Mike Singer. illus Air Reservist 26:4-5 Mar '75

C-131

A gold watch for the Convair (T-29s and C-131s): Another of the historic prop planes retires from active service. Maj George D.Burgess. illus MAC Flyer 22:27 Mar '75

C-135

The area of the ARIAgator (Advanced Range Instrumentation Aircraft). Capt Gerald R.J.Heuer. illus Navigator 22:8-12 Fall '75

C-141

C-141 operations in coffin corner. LtCol Charles L. Pocock. illus tabs MAC Flyer 22:9-11 Apr '75

C-141 stretch to increase cargo capacity by one-third. illus Armed Forces J Intl 112:7 Jul '75

Hearings set on cargo carrier boost--C-141 'stretching' weighed. Ann Gerow. AF Times 35:4 Jan 22 '75

Loaded for trouble. Maj Don Hunt. illus MAC Flyer 22:20-22 Nov '75

MAC lauded for Mid East airlift ... but GAO also finds many problems. AF Times 35:17 May 7 '75

The night the pitch trim ran away. (C-141 crew earns various awards by successfully overcoming a serious control malfunction) MSgt Jerry Smith. illus Airman 19:32-36 Sep '75

Ten years old and still growing. Maj George D.Burgess. illus MAC Flyer 22:3-4 Jan '75

Maintenance and Repair

C-141 flight control system reliability. Capt Jesse R. Stevenson. illus MAC Flyer 22:16-17 Jan '75

Commando

See C-46

Corsair II

See A-7

Crown

See HC-130

Delta Dart

See F-106

E-2

Airborne early warning for the U.S. Navy (E-2C). J.Philip Geddes. illus tab Intl Def Rev 8:679-682 Oct '75

AIRPLANE TYPE - Continued

E-2 - Cont'd

Early warning and control. John S.Phillip. tabs illus (Also cutaway) Aerosp Intl 11:6-10+ Sep-Oct '75

E-3

AWAC's future: More options than opposition. Govt Exec 7:24-26 Feb '75

Can NATO afford AWACS? R.D.M.Furlong. illus (Also cutaway) Intl Def Rev 8:667-676 Oct '75

E-3A looks in all directions. illus AF Times 35:6 May 14 '75

Early warning and control. John S.Phillip. tabs illus (Also cutaway) Aerosp Intl 11:6-10+ Sep-Oct '75

EC-121

79th AEW & C Sq performs many missions with EC-121. illus Officer 51:22 Feb '75

Eagle

See F-15

F-4

Bringing it home. (Capt Wes Zimmerman and 1stLt Dave Craighead earn the 1973 Koren Kolligian, Jr, Trophy for outstanding emergency action in SE Asia) Sgt Joe Ellis. illus Airman 19:8-9 Feb '75

(Capt Kris Mineau) back to the F-4 after 10 operations. illus AF Times 35:26 Apr 9 '75

F-4 accident: The mission was flown as briefed. illus TAC Attack 15:4-6 Apr '75

F-4 air to air training. Maj Donald L.Gish. illus USAF Ftr Wpns Rev, pp 1-5, Fall '75

F-4 intentional gear-up landings. illus tab Approach 21:10-12 Aug '75

F-4 manual seat separation. Michael R.Grost. illus TAC Attack 15:26-29 Jun '75

F-4 Mark III anti-skid system update. Capt Marty Steere. illus tab TAC Attack 15:11 Dec '75

F-4, 1980-1985. Capt Dave Smith and others. illus USAF Ftr Wpns Rev, pp 6-13, Fall '75

F-4 stalled canopies. Bob Moore. illus TAC Attack 15:28 Feb '75

F-4's will stay, temporarily. MarCor Gaz 59:2 Oct '75

Holloman (AFB, NM) units cool off foes (in "Dissimilar Aircraft Combat" training course). Sgt Tom Baldwin. AF Times 35:32 Jul 16 '75

Hydroplaning in the F-4. Capt Marty Steere. illus TAC Attack 15:4-6 Jul '75

King of the road (F-4). illus Approach 21:1-3 Aug '75

MIG sweep. (F-4C Phantom strike north of Hanoi, Jan 1967) Maj John T.Correll. illus Airman 19: 41-47 Jun '75

Pitch feel trim system and associated mysteries. Pete Garrison. illus tab TAC Attack 15:12-14 Aug '75

Thunderbirds '75. illus USAF Ftr Wpns Rev, pp 26-34, Spring '75

Twenty thousand pounds of fighter performance (YF-16). Maj Dean Stickell. illus TAC Attack 15: 4-8 Aug '75

Your big chance to log a ride in a Martin-Baker seat--without prejudice. Capt Ronald W.Fletcher. illus TAC Attack 15:4-6 Oct '75

AIRPLANE TYPE - Continued

F-5

C-5 gets 8-pack of F-5s: Buyers abroad sent fighters. illus AF Times 35:30 Mar 26 '75

The F-5E Tiger II: A 'sports model' with punch--a pilot report. LtCol John H. Taylor. illus tab AF Mag 58:54-57 Jan '75; Aerosp Intl 11:28-31 Jan-Feb '75

The F-5F: Northrop's two-seat trainer/fighter. illus (Also cutaway) tabs Interavia 29:1208-1209 Dec '74

Tigers with a tale. (USAF airlifts F-5E Tiger II's in the C-5) 2dLt Joan C. Woellner. illus Airman 19: 40-41 Sep '75

Study and Teaching

Williams (AFB, Ariz) unit (425th Tactical Fighter Training Sq): One of a kind. illus AF Times 35:29 Feb 26 '75

F-14

F-14 versus F-15 flyoffs--who would the real winner be? James P. Stevenson. illus tab Armed Forces J Intl 112:40+ Jun '75

Tomcat joins the fleet: F-14A fully operational. Michael Brown. illus tab Interavia 29:1203-1207 Dec '74

F-15

AWAC's future: More options than opposition. Govt Exec 7:24-26 Feb '75

At home and away. (Records broken by the F-15) tab Airman 19: inside front cover Apr '75

The day the Eagle streaked. Maj Roger J. Smith. tabs, illus AF Mag 58:32-37 Jul '75

Eagle has landed. illus Airman 19: inside front cover Jan '75

The Eagle is not a turkey or a dove. Benjamin F. Schemmer. illus tab Armed Forces J Intl 112: 38-40+ Mar '75

Everything works: LWF (Light Weight Fighter) to ACF (Air Combat Fighter) to F-16. illus Govt Exec 7:33+ Mar '75

F-14 versus F-15 flyoffs--who would the real winner be? James P. Stevenson. illus tab Armed Forces J Intl 112:40+ Jun '75

F-15 emergency entrance. Capt Dan Brown. illus TAC Attack 15:14-15 Feb '75

F-15 faster than Saturn V. illus tab Armed Forces J Intl 112:13 Mar '75

F-15 scores 87% kills in 202 air combat maneuvering engagements. Armed Forces J Intl 112:6 Jul '75

F-15 tops time-to-climb mark. Len Famiglietti. illus AF Times 35:5 Feb 12 '75

F-15 triumphs in fighter drill. AF Times 36:26 Sep 3 '75

The fastest climb. (The F-15 breaks all time-to-climb records in Project "Streak Eagle") Maj John T. Correll. illus Airman 19:30-34 May '75

Flying the Eagle. Capt Don Carson. illus (Also cutaway) Aerosp Intl 11:12-14+ Jul-Aug '75

High performance and the F-15. J. Philip Geddes. tabs illus (Also cutaway) Interavia 30:190-195 Feb '75

AIRPLANE TYPE - Continued

F-15 - Cont'd

NATO Central Europe gets the F-15 Eagle. G.M. Bailly-Cowell. illus (Also cutaways) NATO's Fifteen Nations 20:50-58 Apr-May '75

Operational aspects of the F-15 Eagle. R.D.M. Furlong. illus (Also cutaway) tabs Intl Def Rev 8:361-371 Jun '75

The problems of new aircraft. (Environmental impact study from Langley AFB, Va) Bruce Callander. AF Times 36:14 Aug 6 '75

Project Streak Eagle. (F-15 Eagle has shattered eight World Class time-to-climb records) illus tab Elect Warfare 7:39 Mar-Apr '75

Report (leaked to the press) favors F-16 (over F-15). AF Times 35:11 Apr 23 '75

Time-to-climb records shattered by F-15 pilots. AF Times 35:4 Feb 19 '75

Maintenance and Repair

(Avionics) specialists needed to work on F-15. AF Times 35:17 Jun 4 '75

90 more (avionics) specialists needed for F-15 jobs. AF Times 36:25 Aug 6 '75

Study and Teaching

Hatching an Eagle outfit (555th Tactical Fighter Training Sq). (Luke AFB, Ariz, undertakes the training of pilots, ground crews, and support personnel for the first F-15 squadron) Capt John B. Taylor. illus (Also cutaway) Airman 19:24-29 Apr '75

Testing

The ADCOM (Aerospace Defense COMmand) Eagle sharpens its claws. illus Interceptor 17:8-11 Oct '75

F-16

See also YF-16

Everything works: LWF (Light Weight Fighter) to ACF (Air Combat Fighter) to F-16. illus Govt Exec 7:33+ Mar '75

The F-16 choice--a lesson for the future? Phillippe Grasset. illus Interavia 30:883-886 Aug '75

F-16 European co-production programme. illus (Also cutaway) Interavia 30:874 Aug '75; Intl Def Rev 8: 593 Aug '75

Lightweight classic. Capt Steve Manning. illus Airman 19:42-47 Sep '75

NATO favors F-16. Armed Forces J Intl 112:25 Apr '75

Paris Air Show highlights; NATO's F-16 choice dominates. F. Clifton Berry, Jr. Armed Forces J Intl 112:18+ Jul '75

(Radar for Air Force F-16 fighter aircraft) Signal 30:95 Oct '75

Report (leaked to the press) favors F-16 (over F-15). AF Times 35:11 Apr 23 '75

F-84

Fighters across the Atlantic. (27th Strategic Fighter Wg's last overseas deployment, 1955) John Kosek. illus AF Mag 58:101-103+ Sep '75

F-100

Emergency situation training (F-100). Maj Wiley E. Greene. illus TAC Attack 15:19 Apr '75

AIRPLANE TYPE - Continued

F-100 - Cont'd

Emergency situation training (F-100). Maj Wiley E. Greene. illus TAC Attack 15:30 Aug '75

F-104

The European F-104G replacement program--a brief status report. illus Intl Def Rev 7:793 Dec '74

F-105

(Wild) Weasel era ends at Nellis (AFB, Nev). AF Times 36:34 Aug 27 '75

History

The combat history of the F-105. Capt Scott Duncan. illus Aerosp Hist 22:121-128 Sep '75

F-106

318 FIS (Fighter Interceptor Sq)--(AWACS) support. (Interview with Maj James S. White) illus Interceptor 17:8-11 Aug '75

Over the top. (Aero-confidence maneuvers) illus Interceptor 17:8-13 May '75

F-111

The combat-proven F-111: NATO's main all-weather attack aircraft. illus tabs Intl Def Rev 8:348-350 Jun '75

F-111 emergency landing with nose-gear retracted. tabs illus TAC Attack 15:12-13 Dec '75

F-111 scopewizardry (radar air-to-air techniques)--teaching new dogs old tricks. Maj Fred Kempf. illus TAC Attack 15:22-24 Apr '75

F-111: The wave of the future. LtCol T.R. Philpott. illus AU Rev 26:74-79 May-Jun '75

Flying Classroom

See T-29

Freedom Fighter

See F-5

Galaxy

See C-5

Globemaster

See C-124

HC-130

The Cape Beverly incident. 1stLt David R. Mortenson. illus MAC Flyer 22:13-15 Jul '75

HU-16

Supersonic at 145 KIAS (Knots Indicated Air Speed). Maj Conal J. Brady, Jr. illus Navigator 22:29-30 Summer '75

Harrier

See AV-8

Hercules

See C-130; HC-130; WC-130

Invader

See A-26

KC-135

The C-5 takes it in the air. (In-flight refueling) Maj Duane Tuttle. illus MAC Flyer 22:6-8 Dec '75

AIRPLANE TYPE - Continued

KC-135 - Cont'd

The KC-135: A new aid for new roles. 1stLt Earl D. Burt, Jr. illus (Also cutaway) Navigator 22:14-15 Winter '75

A look at the left seat. Capt Dennis M. Bushman. illus Combat Crew 25:26-27 Feb '75

Obvious ... in hindsight. Maj Charles W. Davis. illus Combat Crew 25:16-17 Feb '75

Who's in charge here? Capt Richard E. Favela. illus Combat Crew 25:8-10 Mar '75

Mentor

See T-34

Mohawk

See OV-1

Mustang

See P-51

O-2

Smoky the Deuce. Maj John T. Correll. illus Airman 19:4-8 Aug '75

OV-1

Military intelligence and enemy air defense. BrigGen Harry H. Hiestand. illus USA Avn Dig 20:2-3+ Sep '74

The Mohawk meets new challenges. Capt Richard P. Wolfe. illus maps USA Avn Dig 21:14-19 Aug '75

OV-10

'Low and slow' at Hurlburt (Fld, Fla): Getting to be a FAC. illus AF Times 35:20 Mar 26 '75

No other way. (Capt Steven L. Bennett earns the Medal of Honor and loses his life during mission in Vietnam) Maj John T. Correll. illus Airman 19:42-47 Mar '75

Orion

See P-3

Otter

See U-1

P-3

Long-range ASW: Thankless but vital (maritime reconnaissance). Richard van Osten. illus Aerosp Intl 11:10-12+ Mar-Apr '75

Low, low approach. Approach 21:16-17 Aug '75

Prop overspeed. illus Approach 20:16-17 Mar '75

Your mission: SAR (Search And Rescue). LCDR A.K. Jenkins. illus Approach 21:16-17 Sep '75

P-51

History

The saga of N13Y! (P-51) Philip C. O'Keefe. illus Am Avn Hist Soc J 19:287-296 Winter '74

Phantom II

See F-4

Provider

See C-123

RC-135

End of an era (for RC-135C). Maj Roger B. Light. illus Combat Crew 25:15-18 Aug '75

AIRPLANE TYPE - Continued

RF-4

Biomedical cost of low-level flights in a hot environment. R.R. Bollinger and G.R. Carwell. tabs Aviation, Space & Envmt Med 46:1221-1226 Oct '75

'Exposed' to practical experience. (187th Tactical Reconnaissance Gp, Dannelly, ANGB, Ala, among first Air Guard units to receive the RF-4C and the first to become combat ready with the new plane) Maj Jim Hart. illus Air Reservist 27:8-9 Nov '75

RP-3

Safety around the world. (Navy's Sq VXN-8, devoted solely to airborne oceanographic research) LCDR H.H. Broderson. illus Approach 21:4-5 Aug '75

S-3

Long-range ASW: Thankless but vital (maritime reconnaissance). Richard van Osten. illus Aerosp Intl 11:10-12+ Mar-Apr '75

Sabreliner

See T-39

Samaritan

See C-131

Shooting Star

See T-33

Skyhawk

See A-4

Skyraider

See A-1

Skytrain

See C-47

Spectre

See AC-130

Starfighter

See F-104

Starlifter

See C-141

Stratofortress

See B-52

Stratotanker

See KC-135

Super Sabre

See F-100

Superfortress

See B-29

T-29

Farewell to a lady (T-29). Maj Thomas H. Jouse and Capt Mike R. Martini. illus Navigator 22:26-29 Fall '75

A gold watch for the Convair (T-29s and C-131s): Another of the historic prop planes retires from active service. Maj George D. Burgess. illus MAC Flyer 22:27 Mar '75

Prop-driven T-29 climbs on shelf. illus AF Times 35:25 Apr 2 '75

AIRPLANE TYPE - Continued

T-29 - Cont'd

Short lived go-around. (Emergency procedures) illus MAC Flyer 22:22-23 Mar '75

Superior performance. (Navy Training Sq VT-29) LTs Don Behnke and Don Snoddy. illus Approach 21:18-21 Oct '75

T-33

T-bird fit. illus Interceptor 17:30-31 May '75

History

Research and development history of USAF stability T-33. G. Warren Hall. illus Am Avn Hist Soc J 19: 270-274 Winter '74

Study and Teaching

Interceptor discovers ... the 95th?? Or: The FITS (95th Ftr Intcp Tng Sq) gave us fits. Interceptor 17:14-15 May '75

T-34

A different frame of reference ... the Navy's answer. Armed Forces J Intl 112:27 Apr '75

Is this any way to buy airplanes? Audit trail of an unsavory procurement? Mark Stewart. illus Armed Forces J Intl 112:26-27 Apr '75

Navy aviators (primary training squadrons, VT-1 and VT-5) make do (in old T-34s). illus Armed Forces J Intl 112:14 Feb '75

The T-34C: A thing of beauty. Robert R. Stone. illus tab Approach 21:1-3 Sep '75

T-37

The trail of the T-37: Where it all began for 30,000 USAF pilots. Capts Danny Piper and Dan McCauley. illus tab AF Mag 58:65-69 Apr '75

T-38

Holloman (AFB, NM) units cool off foes (in "Dissimilar Aircraft Combat" training course). Sgt Tom Baldwin. AF Times 35:32 Jul 16 '75

Thunderbirds '75. illus USAF Ftr Wpns Rev, pp 26-34, Spring '75

T-39

Sabrelift: MAC's T-39 operation--airlift and training. illus map MAC Flyer 22:10-13 Dec '75

TFX

See F-111

Talon

See T-38

Thunderchief

See F-105

Tomcat

See F-14

U-1

The Otter's new shoes. (Preparing the U-1A for winter use at Goose Bay, Labrador) TSgt C.E. Van Hook. illus Airman 19:39 Feb '75

U-2

See WU-2

AIRPLANE TYPE - Continued

V-1

See OV-1

V-3

See XV-3

V-10

See OV-10

VFX

See F-14

VSX

See S-3

Viking

See S-3

WC-130

Into Hurricane Carmen's eye. William A. McLaughlin, Jr. illus AF Mag 58:53-57 Aug '75

Testing

Hurricane Hunters test new craft (WC-130B). illus AF Times 35:38 Feb 19 '75

WU-2

Powers: From probe to plowshare. (Interview with Francis Gary Powers) Col Barney Oldfield, Ret. illus NATO's Fifteen Nations 20:60-64+ Apr-May '75

XV-3

Tilt rotor aircraft. Col Joseph F. Rutkowski. illus tabs USA Avn Dig 21:6-7 Apr '75

XV-15

Tilt rotor aircraft. Col Joseph F. Rutkowski. illus tabs USA Avn Dig 21:6-7 Apr '75

YC-14

The AMST prototypes leave the drawing board. tabs illus (Also cutaways) Interavia 30:51-53 Jan '75

The Advanced Medium STOL Transport--successor to the C-130? tabs illus (Also cutaways) Intl Def Rev 8:75-78 Feb '75

Military transport for the 80's. Richard van Osten. illus Aerosp Intl 11:52-54+ May-Jun '75

YC-15

The AMST prototypes leave the drawing board. tabs illus (Also cutaways) Interavia 30:51-53 Jan '75

The Advanced Medium STOL Transport--successor to the C-130? tabs illus (Also cutaways) Intl Def Rev 8:75-78 Feb '75

(LTN-51 inertial navigation system for USAF YC-15 prototypes) Signal 29:67 Jul '75

Military transport for the 80's. Richard van Osten. illus Aerosp Intl 11:52-54+ May-Jun '75

Short takeoff-landing YC-15 rolls out. illus AF Times 36:28 Aug 20 '75

YC-15: First of the AMSTs. illus Airman 19: inside front cover Oct '75

AIRPLANE TYPE - Continued

YC-15 - Cont'd

YC-15 for short takeoff transport. (Remarks, YC-15 Rollout Ceremony, Long Beach, Calif, Aug 5, 1975) John L. McLucas. AF Plcy Ltr for Comdrs: Sup No. 10:17-18 Oct '75

YC-15 makes maiden flight. illus Armed Forces J Intl 113:12 Sep '75

YC-15 test programme moves to Yuma. illus NATO's Fifteen Nations 20:94-95 Oct-Nov '75

YF-16

See also F-16

Air combat fighter flight evaluation completed. illus (Also cutaways) tabs Interavia 29:1240-1242 Dec '74

850 YF-16 sales seen. illus AF Times 35:5 Jan 29 '75

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F-4 stalled canopies. Bob Moore. illus TAC Attack 15:28 Feb '75

Characteristics

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Control

See Flight Control Systems

De-icing

See Airplanes, Military--Ice Prevention

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Design

A dream came true. (80th birth anniversary of the aircraft designer Pavel Sukhoi) Col M.Rebrov. illus Soviet Mil Rev No.7:28-29 Jul '75

Hawker's Hawk, Britain's new multi-purpose trainer. (Design profile, no.9) Maurice Allward. illus (Also cutaway) tab Air Pict 36:466-469 Dec '74

System safety--a new doctrine for a new era. LtCol William F.Gabella. illus tabs USA Avn Dig 21: 38-41 Apr '75

Detection and Recognition
See Airplanes, Military--Identification

Electrical Systems

The nickel-cadmium battery. John C.Rosen. illus Approach 20:24-27 Jun '75

Maintenance and Repair

Lightning solo--engineer style. WgComdr W.V. Holden. illus Interceptor 17:10-12 Sep '75

The meanest man in town. (Aircraft maintenance) Harold Poehlmann. illus Aerosp Safety 31:26-27 Apr '75

Electronic Equipment
See Electronic Equipment (Aircraft)

Emergency Procedures

A-4 nose pitchup on takeoff. LCDR C.N.Sapp, Jr. illus Approach 21:10-11 Oct '75

Anybody knows that. Anchard F.Zeller. illus Aerosp Safety 31:16-18 Nov '75

Compound emergencies. Col Jerry Schwene. illus Aerosp Safety 31:3-5 Mar '75

Copilot in command. 1stLt Robert Gole. illus Combat Crew 25:10-12 Jun '75

Ejection vectors. LtCol Howard Kidwell. illus TAC Attack 15:4-6 Mar '75

Emergency action checksheets. TIG Brief 27:7-8 Jan 17 '75

Emergency egress, always an item of interest because ... it's your life. Capt William G.Heckathorn. illus Combat Crew 25:4-7 Nov '75

F-4 accident: The mission was flown as briefed. illus TAC Attack 15:4-6 Apr '75

F-4 manual seat separation. Michael R.Grost. illus TAC Attack 15:26-29 Jun '75

F-15 emergency entrance. Capt Dan Brown. illus TAC Attack 15:14-15 Feb '75

F-111 emergency landing with nose-gear retracted. tabs illus TAC Attack 15:12-13 Dec '75

Hey blue four, I need help. Maj Charles Barr. illus Aerosp Safety 31:10-12 Sep '75

Inadvertent engine shutdowns. illus Approach 21: 24-25 Aug '75

King of the road (F-4). illus Approach 21:1-3 Aug '75

A landmark case. illus Approach 20:16-17 Apr '75

The night the pitch trim ran away. (C-141 crew earns various awards by successfully overcoming a serious control malfunction) MSgt Jerry Smith. illus Airman 19:32-36 Sep '75

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Emergency Procedures - Cont'd

No time to doubt engine instruments. illus MAC Flyer 22:20-21 Aug '75

No winner in a birdstrike. Capt N.C.Greenhalgh. illus Aerosp Safety 31:4-5 Aug '75

Prop overspeed. illus Approach 20:16-17 Mar '75

Rapid decompression. LtCol Charles L.Pocock, Jr. illus tab Aerosp Safety 31:2-3 Dec '75

Runaway trim on takeoff. illus Approach 20:5 Jun '75

Safety through communication. Capt H.M.Hoffman. illus tab Approach 20:8-9 Jun '75

Short lived go-around. (Emergency procedures) illus MAC Flyer 22:22-23 Mar '75

"VFR ... no sweat." Capt J.P.Byrnes. illus Approach 20:22-23 Apr '75

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You'd better believe it! (Fire warning lights) Capt Stephen D.Cross. illus Aerosp Safety 31:14-15 May '75

Your big chance to log a ride in a Martin-Baker seat--without prejudice. Capt Ronald W.Fletcher. illus TAC Attack 15:4-6 Oct '75

Study and Teaching

Emergency situation training A-7. Capt Marty Steere. illus TAC Attack 15:10 Dec '75

Emergency situation training (F-100). Maj Wiley E. Greene. illus TAC Attack 15:19 Apr '75

Emergency situation training (F-100). Maj Wiley E. Greene. illus TAC Attack 15:30 Aug '75

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See also
Gas Turbines (Aircraft)
Jet Engines

Aircraft engines designer. (Interview with A.Mikulin) Col M.Rebrov. illus Soviet Mil Rev No.2:42-43 Feb '75

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Obvious ... in hindsight. Maj Charles W.Davis. illus Combat Crew 25:16-17 Feb '75

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A time for pilot action: B-52 engine-out, roll and yaw considerations. Capt Albert W.Perez. illus tab Combat Crew 25:12-13 Jan '75

History

Treasure in the dust bin of history. (Wright brothers B-1 aircraft engine) Harvey H.Lippincott. tab illus Am Avn Hist Soc J 19:265-269 Winter '74

AIRPLANES, MILITARY - Continued

Engines - Cont'd

Maintenance and Repair

Air Force Spectrometric Oil Analysis Program (SOAP) operation and maintenance. TIG Brief 27:12 Mar 28 '75

Engine run abuse. TIG Brief 27:7 Dec 19 '75

No time to doubt engine instruments. illus MAC Flyer 22:20-21 Aug '75

O-ring know how. Capt Jon New. illus Aerosp Safety 31:18-22 Jul '75

Scratch one engine. (Spectrometric Oil Analysis Program (SOAP)) illus MAC Flyer 22:18-19 Jul '75

Selling SOAP (Spectrometric Oil Analysis Program) to the Army. illus Army Log 6:6-9 Sep-Oct '74

Shipment of incomplete aircraft engines to overhaul activities. TIG Brief 27:6 Mar 28 '75

Tap water contamination. Maj Richard W. Blatter. illus Combat Crew 25:6-7 Sep '75

Equipment

Survivability: Key to staying power. Capt Thomas Hanlon. illus USA Avn Dig 21:28 Apr '75

Fires and Fire Prevention

Care of (fuel leaking) O-rings. TIG Brief 27:7 Feb 14 '75

4000 degrees and cooling. (Williams AFB, Ariz, has fire-fighting crews trained and waiting) TSgt Tom Dwyer. illus Airman 19:12-15 Jun '75

New blood. (A fire resistant hydraulic fluid for our old birds) illus tab Interceptor 17:5-9 Apr '75

Obvious ... in hindsight. Maj Charles W. Davis. illus Combat Crew 25:16-17 Feb '75

Red hot hydraulics. LtCol Robert J. Brun. illus Aerosp Safety 31:13 Dec '75

Walking away from it. Capt Edwin H. Jessup. illus Combat Crew 25:16-18 Jan '75

You'd better believe it! (Fire warning lights) Capt Stephen D. Cross. illus Aerosp Safety 31:14-15 May '75

Fuel Systems

All this harassment. Capt H. William Dettmer. illus Combat Crew 25:16-18 Sep '75

Fuel exhaustion mishaps. illus Approach 21:6-8 Oct '75

A new breed of cat. Harold Poehlmann. (Reprinted from Aerospace Safety, Aug 1970) illus Aerosp Safety 31:24-25 Oct '75

Maintenance and Repair

Care of (fuel leaking) O-rings. TIG Brief 27:7 Feb 14 '75

Fuel Tanks

Just another phrase. Capt Kenneth D. Vanmeter. illus Interceptor 17:24-25 Nov '75

Teeter-totter landing roll. illus MAC Flyer 22:14-15 May '75

Maintenance and Repair

The gas ghost. (Fuel leak) Capt Milton G. Schellhase. illus MAC Flyer 22:22-23 May '75

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Fuels

Fuel delivery to military aircraft on a noncontract basis. TIG Brief 27:12 Dec 5 '75

Fuel exhaustion mishaps. illus Approach 21:6-8 Oct '75

Harvest Eagle equipment (fuels). TIG Brief 27:4 Dec 5 '75

Hydraulic Systems

New blood. (A fire resistant hydraulic fluid for our old birds) illus tab Interceptor 17:5-9 Apr '75

Red hot hydraulics. LtCol Robert J. Brun. illus Aerosp Safety 31:13 Dec '75

Ice Prevention

Conservation of ethylene glycol products (antifreeze). TIG Brief 27:6 Aug 29 '75

Winter weather checklist. illus TAC Attack 15:20-22 Nov '75

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Preflight Inspections

Cannibalization costs. Capt Van E. Kaiser. illus Army Log 7:34-35 Sep-Oct '75

Nuclear safety/security alert aircraft operations. TIG Brief 27:15 Jan 31 '75

Paper programs work best for paper airplanes. CW2 Robert L. Heck, Jr and CW2 Ferris E. Hoover, Jr. USA Avn Dig 21:39-41 Aug '75

Instruments

See Aeronautical Instruments

Interception

Aztec save. illus Interceptor 17:14-15 Jun '75

Study and Teaching

Eye wash (IWS, Interceptor Weapons School) ... helps keep the Reds out. Capt Ron Ball. illus Interceptor 17:12-15 Aug '75

Landing and Takeoff

See also
Automatic Landing Systems
Catapults
Ground-Controlled Approach
Hydroplaning

Ahead and below. Maj Albert R. Barbin, Jr. illus map MAC Flyer 22:16-19 Aug '75

Aircraft arresting gear. Ed Jacobson. illus Aerosp Safety 31:20-21 Dec '75

A case of shear trouble. Maj A.R. Barbin. illus tabs MAC Flyer 22:16-19 Jun '75

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Landing and Takeoff - Cont'd

Caution. (Slush and water puddles on the runway) Capt Lawrence P. Wray. illus Combat Crew 25:20-21 Oct '75

Chute, no drag! Capt Ted R. Powers, Jr. illus Aerosp Safety 31:9 Mar '75

Copilot in command. 1stLt Robert Gole. illus Combat Crew 25:10-12 Jun '75

Emergency situation training (F-100). Maj Wiley E. Greene. illus TAC Attack 15:19 Apr '75

En garde. LT Sergei M. Kowalchik. illus tab Approach 20:10-11 Apr '75

F-4 intentional gear-up landings. illus tab Approach 21:10-12 Aug '75

The flight examiner's dream. (Approach to airdrome) illus Aerosp Safety 31:18-19 May '75

Floating down the runway. Capt Tim Titus. illus Combat Crew 25:8-10 Jul '75

Ground Proximity Warning System (GPWS). Elmer Bach. illus Aerosp Safety 31:2-3 Apr '75

The hidden killer of the airways. George Kurylowich. illus Aerosp Safety 31:1-5 May '75

Hot weather & thrust required. tab illus Aerosp Safety 31:2-3 Jul '75

Hurricane on wheels (C-5). illus MAC Flyer 22:27 Feb '75

I told you so ... (Takeoff data charts) Capt Marty Steere. tab TAC Attack 15:20-21 Apr '75

An idea from the line. (Solving the terrain clearance problem) illus MAC Flyer 22:12-13 Aug '75

Jet blast deflector mishaps. illus Approach 20:16-18 Jun '75

King of the road (F-4). illus Approach 21:1-3 Aug '75

LSOs (Landing Signal Officer) an endangered species. LCDR G.J. Webb, Jr. illus tabs Approach 21:1-3 Oct '75

An LSO's stand for safety. illus Approach 20:4-5 Feb '75

Land long and flat. (Necessity of planning the flight and flying the plan) illus Approach 20:16-17 Jan '75

The landing problem: Helicopter vs airplane. Col J.M. Verdi, Ret and Maj D.W. Henderson. illus tabs Approach 20:18-24 Mar '75

Landings good and bad. illus Aerosp Safety 31:2-4 Oct '75

The last mile. (Non-precision approach) map illus Interceptor 17:5-7 Aug '75

Low, low approach. Approach 21:16-17 Aug '75

The midair three departure. Capt Ralph C. Gravlee, Jr. illus Aerosp Safety 31:25 Dec '75

Nonprecision approach. illus Aerosp Safety 31:16-17 Jun '75

Objectives in carrier qualifications: A rebuttal. LT T.V. DeMarino. illus Approach 21:8-9 Aug '75

Of ARAs (Airborne Radar Approach) and mountains. Capt James A. Favero. illus Combat Crew 25: 20-21 Sep '75

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Out of ten for five. MAC Flyer 22:8-9 Aug '75

RVR (Runway Visual Range) update. LtCol James R. Watson. illus Aerosp Safety 31:12 Dec '75

Radar contact and pilot responsibilities. Capt Marty Steere. illus TAC Attack 15:18-19 Jun '75

Runaway trim on takeoff. illus Approach 20:5 Jun '75

Set Condition V (for landing). LTJG David Miles. illus Approach 20:19 Jun '75

Skyhawks and wet runways. LCDR C.N. Sapp, Jr. illus Approach 20:6-7 Mar '75

The South American way. LtCol John W. Ray. map MAC Flyer 22:13-15 Apr '75

Stubbed runway toes. LtCol Robert J. Brun. illus tab Aerosp Safety 31:21 Sep '75

Teamwork can make a big difference. Capt Robert S. Hinds. tab illus Aerosp Safety 31:12-13 Jun '75

Teeter-totter landing roll. illus MAC Flyer 22:14-15 May '75

Terrain clearance studied (by Air Force task group). illus MAC Flyer 22:13-15 Aug '75

Three-bar VASI--new light at the end of the tunnel. Capt Russell M. Masters, Jr. illus Interceptor 17: 20-21 Mar '75; MAC Flyer 22:3-5 May '75

To see or not to see. CMSgt George M. Horn. illus TAC Attack 15:10-11 Sep '75

Wake turbulence. illus TAC Attack 15:28-29 Mar '75

Walking away from it. Capt Edwin H. Jessup. illus Combat Crew 25:16-18 Jan '75

Winter weather checklist. illus TAC Attack 15:20-22 Nov '75

Your big chance to log a ride in a Martin-Baker seat--without prejudice. Capt Ronald W. Fletcher. illus TAC Attack 15:4-6 Oct '75

Landing Gear

F-4 intentional gear-up landings. illus tab Approach 21:10-12 Aug '75

F-111 emergency landing with nose-gear retracted. tabs illus TAC Attack 15:12-13 Dec '75

Taming the Easter Buffalo. (USAF team converts a Canadian CC-115 Buffalo into the XC-8A, with air-cushion landing system) TSgt Tom Dwyer. illus Airman 19:16-19 Sep '75

U.S., Canada develop plane that lands on air. (Air Cushion Landing System (ACLS)) Len Famiglietti. illus AF Times 35:40 Jun 25 '75

Launching

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Lighting

Contradictions in midair collision prevention? LtCol S.G. Henley. illus Aerosp Safety 31:1-4 Nov '75

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ADCOM (Aerospace Defense COMmand) weapons loading competition, 1975 style. illus Interceptor 17:30-31 Oct '75

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Loading and Unloading - Cont'd

The Happy Hooligals. (ANG all-woman team competes in ADC weapon-loading competition) MSgt Harold Newcomb. illus Airman 19:14-19 Oct '75

That tied down hazard in the cargo compartment. MSgt Edward G. Miller and Robert A. Maschal. illus MAC Flyer 22:6-8 Oct '75

Twist, strain and pain loading airplanes. MSgt William H. Weaver. illus Aerosp Safety 31:18-20 Feb '75

The will to win. (Guard units in Aerospace Defense Command Weapons Loading Competition) illus Natl Guardsman 29:28-29 Dec '75

Maintenance and Repair

See Aircraft Maintenance and subdivision Maintenance and Repair under specific Airplane Types

Manufacture

See Aircraft Industry and Trade

Modifications

The area of the ARIAgator (Advanced Range Instrumentation Aircraft). Capt Gerald R.J.Heuer. illus Navigator 22:8-12 Fall '75

The (B-52)D will never die. LtCol William P.Hurn. illus Combat Crew 25:4-7+ Mar '75

F-4 Mark III anti-skid system update. Capt Marty Steere. illus tab TAC Attack 15:11 Dec '75

Galaxy avionics mods are bearing fruit. illus MAC Flyer 22:10-12 Jan '75

How to make (suggestions for) changes (on aircraft). Maj Brian C.Bernet. illus Aerosp Safety 31:26-27 May '75

'Operation Quick Change' ... or look, we can do it ourselves. (Major structural remodification of an Air Force C-130 by AFR's 909th Consolidated Maintenance Sq) Mike Singer. illus Air Reservist 26:4-5 Mar '75

Ten years old and still growing. (C-141) Maj George D.Burgess. illus MAC Flyer 22:3-4 Jan '75

Mothballing

See Airplanes, Military--Storage

Parking

Flightline obstacle course. LtCol Charles F.Yount. illus Aerosp Safety 31:20-21 May '75

The line-up. Maj Earl L.Robertson. illus Aerosp Safety 31:12-13 Apr '75

No excuse (for taxi mishaps). Maj Robert H.Ikelman. illus Aerosp Safety 31:22-23 May '75

Performance

A-10: Tank killer. LtCol Harlan E.Branby. illus (Also cutaway) USAF Ftr Wpns Rev, pp 1-7, Winter '75

Piloting

A-4 nose pitchup on takeoff. LDCR C.N.Sapp, Jr. illus Approach 21:10-11 Oct '75

The ADCOM (Aerospace Defense COMmand) Eagle sharpens its claws. illus Interceptor 17:8-11 Oct '75

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Ahead and below. Maj Albert R.Barbin, Jr. illus map MAC Flyer 22:16-19 Aug '75

Cold and low? Look out below! Capt Richard H.Hobbie. illus Navigator 22:25-27 Summer '75

Compound emergencies. Col Jerry Schwene. illus Aerosp Safety 31:3-5 Mar '75

Inadvertent engine shutdowns. illus Approach 21: 24-25 Aug '75

Land long and flat. (Necessity of planning the flight and flying the plan) illus Approach 20:16-17 Jan '75

Landings good and bad. illus Aerosp Safety 31:2-4 Oct '75

Minimum control speed: Air-Vmc (air). LCDR R.S. Hopewell. Approach 20:27 Jan '75

Oops! There went another over-"G" load. Robert B. Shanks. illus Aerosp Safety 31:22-24 Aug '75

Prop overspeed. illus Approach 20:16-17 Mar '75

Two percent (in Naval Aviation) are having trouble. illus Approach 20:1-4 Jun '75

Whatever happened to VFR (Visual Flight Reference)? LtCol J.P.Cline. illus Aerosp Safety 31:10-11 Oct '75

Power Plants

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Airplanes, Military--Engines

Propellers

Prop overspeed. illus Approach 20:16-17 Mar '75

Props are still here! LCDR T.E.Duke. illus Approach 20:6-7 May '75

Were two props better than one? William G.Holder. illus TAC Attack 15:10-12 Feb '75

Maintenance and Repair

Sheared prop governor drive gears, R-2800 engine. TIG Brief 27:12 Mar 14 '75

Protection

Improving the ground survivability of in-theater TACAIR. LtCol Thomas C.Blake, Jr. illus AU Rev 26:30-37 Sep-Oct '75

Think of your forefathers! Think of your posterity! G.W.Johnson. illus NATO's Fifteen Nations 19: 102-103+ Dec '74-Jan '75

Recognition

See Airplanes, Military--Identification

Refueling

See also
In-Flight Refueling

Harvest Eagle equipment (fuels). TIG Brief 27:4 Dec 5 '75

Restoration

On the shelf. (MASDC, Military Aircraft Storage and Disposition Center, Davis-Monthan AFB, Tucson, Ariz) Maj Jack K.Clapper. illus Aerosp Safety 31:20-21 Apr '75

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Safety Measures

See also
Flying Safety

Cockpit contamination. illus Interceptor 17:16-17 Apr '75

Hurricane on wheels (C-5). illus MAC Flyer 22:27 Feb '75

A late schedule + disregard of tech data + inadequate supervision = a damaged aircraft. TIG Brief 27:8 Apr 11 '75

A shocking story. (Electrical shock) Robert Shanks. illus Aerosp Safety 31:24-25 Apr '75

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Two-seat Corsair II works, but the ride is painful. Benjamin F.Schemmer. illus tabs Armed Forces J Intl 112:8-10 May '75

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Physiologic effects of seatback angles <45° (from the vertical) relative to G. R.R. Burton and others. illus tabs Aviation, Space & Envmt Med 46:887-897 Jul '75

Re-evaluation of a tilt-back seat as a means of increasing acceleration tolerance. John W. Burns. illus tabs Aviation, Space & Envmt Med 46:55-63 Jan '75

Spare Parts

Getting the C-5 off the ground. illus MAC Flyer 22: 22-23 Jan '75

Input complete and correct data to AFLC (Air Force Logistics Command). TIG Brief 27:3 Jun 6 '75

Speed

F-15 faster than Saturn V. illus tab Armed Forces J Intl 112:13 Mar '75

The fastest climb. (The F-15 breaks all time-to-climb records in Project "Streak Eagle") Maj John T. Correll. illus Airman 19:30-34 May '75

Minimum control speed: Air-Vmc (air). LCDR R.S. Hopewell. Approach 20:27 Jan '75

Project Streak Eagle. (F-15 Eagle has shattered eight World Class time-to-climb records) illus tab Elect Warfare 7:39 Mar-Apr '75

Stalling

The C-130 fin stall phenomenon. (Adapted from TAC Attack, April 1972) illus MAC Flyer 22:20-23 Jul '75

C-141 operations in coffin corner. LtCol Charles L. Pocock. illus tabs MAC Flyer 22:9-11 Apr '75

Minimum control speed: Air-Vmc (air). LCDR R.S. Hopewell. Approach 20:27 Jan '75

Which way is down? illus Interceptor 17:8-13 Feb '75

Storage

Arizona outfit (Military Aircraft Storage and Disposition Center, Davis-Monthan AFB) retires old planes in high style. illus AF Times 35:25 Apr 2 '75

Farewell to a lady (T-29). Maj Thomas H.Jouse and Capt Mike R.Martini. illus Navigator 22:26-29 Fall '75

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Storage - Cont'd

A gold watch for the Convair (T-29s and C-131s): Another of the historic prop planes retires from active service. Maj George D.Burgess. illus MAC Flyer 22:27 Mar '75

On the shelf. (MASDC, Military Aircraft Storage and Disposition Center, Davis-Monthan AFB, Tucson, Ariz) Maj Jack K. Clapper. illus Aerosp Safety 31:20-21 Apr '75

Tails

The C-130 fin stall phenomenon. (Adapted from TAC Attack, April 1972) illus MAC Flyer 22:20-23 Jul '75

Takeoff
See Airplanes, Military--Landing and Takeoff

Tires

Maintenance and Repair

Air or nitrogen (for) tire inflation. (Adapted from F-5 Technical Digest, Aug 1975) Aerosp Safety 31:21 Oct '75

Cold WX tire care. illus Interceptor 17:8-9 Jan '75

Tracking
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Weight

Be a weight watcher. illus Approach 20:1-3 Jan '75

Windshields

REPCON (REPellent and surface CONditioner): How to keep rain from obstructing your view. Maj Frank L.Alverson, Jr. illus USA Avn Dig 21: 22-23 Feb '75

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BAC TSR-2. (Prototypes and experimentals, no.10) Elfan ap Rees. illus tab Air Pict 36:472-474 Dec '74

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Characteristics

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Loading and Unloading

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(BrigGen Albert G.Peterson takes over as president, Gen Paul K.Carlton receives "Minute Man Hall of Fame Award," at ROA National Convention, San Diego, June 1975) illus Officer 51:8 Aug '75

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Extension Course Institute
Fighter Weapons School
Flight Training
Missile Training
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Ships--Fires and Fire Prevention

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Ahead and below. Maj Albert R.Barbin, Jr. illus map MAC Flyer 22:16-19 Aug '75

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The mark of the professional. LtCol Martin R.Vissers. illus USA Avn Dig 21:8-11 Oct '75

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The Army and fluidics. (Rapidly developing technology to weapons and control devices) R.N.Gottron. illus (Also cutaway) Natl Def 59:464-466 May-Jun '75

C-141 flight control system reliability. Capt Jesse R. Stevenson. illus MAC Flyer 22:16-17 Jan '75

CH-47 modernization program. Maj William E.Keller. illus (Also cutaways) tabs USA Avn Dig 21: 4-5+ Apr '75

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The night the pitch trim ran away. (C-141 crew earns various awards by successfully overcoming a serious control malfunction) MSgt Jerry Smith. illus Airman 19:32-36 Sep '75

Pitch feel trim system and associated mysteries. Pete Garrison. illus tab TAC Attack 15:12-14 Aug '75

"Roger, coupled ball." (ACLS (Automatic Carrier Landing System)) LCDR T.A.Myers. illus tab Approach 21:5-8 Jul '75

Who is flying this bird? (Simulator sins) Capt Allan K.MacAulay. illus Aerosp Safety 31:6-7 May '75

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(AF) Test Pilot School graduates a woman: Flight test engineers mark a first at Edwards (AFB, Calif). illus AF Times 35:26 Jul 9 '75

Flying engineer (MSgt Mabry D. Jones). Pictorial. Airman 19:24-28 Oct '75

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Here are entered articles on services provided for the purpose of giving advice and information useful for the safe and efficient conduct of flights.

See also related subjects, e.g.,
Flight Path
Weather Forecasting

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Soon--NOTAMs (NOtices To AirMen) from single source. LtCol Jeptha I. McNair, Jr. illus USA Avn Dig 21:40-41 Nov '75

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Ejection vectors. LtCol Howard Kidwell. illus TAC Attack 15:4-6 Mar '75

Ground Proximity Warning System (GPWS). Elmer Bach. illus Aerosp Safety 31:2-3 Apr '75

The landing problem: Helicopter vs airplane. Col J. M. Verdi, Ret and Maj D. W. Henderson. illus tabs Approach 20:18-24 Mar '75

Stubbed runway toes. LtCol Robert J. Brun. illus tab Aerosp Safety 31:21 Sep '75

Tanker radar distorts the truth! Capt Jim Watters. illus tabs Navigator 22:21-23 Fall '75

Three-bar VASI--new light at the end of the tunnel. Capt Russell M. Masters, Jr. illus Interceptor 17: 20-21 Mar '75; MAC Flyer 22:3-5 May '75

Wind correction, mil vs linear. LtCol Paul N. Chase. illus tabs USAF Ftr Wpns Rev, pp 8-17+, Winter '75

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68 generals still on flight pay. AF Times 36:21 Nov 12 '75

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Do's and don'ts of thunder bumping. illus MAC Flyer 22:3-5 Apr '75

FLIGHT PLAN - Continued

Land long and flat. (Necessity of planning the flight and flying the plan) illus Approach 20:16-17 Jan '75

Locked on (to the SRAMS). Capt Kenneth S. Harvell. illus Combat Crew 25:18-19 Jun '75

On the wings of God: Having a private pilots rating was just like having a drivers license, or so I thought. Capt Lewis F. Hofmann. illus MAC Flyer 22:3-5 Nov '75

The other half. Maj Arthur Hood. illus Combat Crew 25:5-7+ May '75

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Here are entered articles on the logs and reports of a flight. For articles on record flying time for a given distance see Aviation Records.

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Better by simulation. John S. Phillip. illus Aerosp Intl 11:4-9 Mar-Apr '75

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New flight simulators will break the attitude barrier. TIG Brief 27:11-12 Aug 29 '75

New horizons in simulation. MajGen Billy J. Ellis. illus Combat Crew 25:4-7+ Jul '75

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Simulators launch new era. Interview. BrigGen Norman C. Gaddis. illus AF Times 35:8 May 28 '75

Super simulator. (Advanced Simulator for Undergraduate Pilot Training (ASUPT)) illus Interceptor 17: 8-11 Jul '75

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Reorganization of simulator maintenance. TIG Brief 27:13 Aug 15 '75

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Flight simulator specialist course. Alpheus McArdle and SgtlC Beryl Roach. illus USA Avn Dig 21: 26-27 Mar '75

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Mark Hunter talks to the flight surgeon. Maj Daner R. Reider. illus Aerosp Safety 31:1-3 Jun '75

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Air Force--Great Britain

Primary flying in the Royal Air Force. SqLdr J.A. Bayliss. Royal Air Forces Qtr 14:315-317 Winter '74

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Simulators boosted (for undergraduate pilot training). AF Times 36:35 Dec 17 '75

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Costs

Hike in price of foreign UPT asked (by Senate Appropriations Committee). AF Times 36:15 Dec 3 '75

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Navy--U.S.

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FLUTTER see Vibration

FLYING BOATS see Seaplanes

FLYING CLUBS see Aero Clubs

FLYING SAFETY

See also
Airplanes--Safety Measures
Airplanes, Military-- Safety Measures
Helicopters, Military--Safety Measures
Mountain Flying

ACM (Air Combat Maneuvering) with safety. J.S. Brickner and others. illus Approach 20:14-15 Jun '75

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Beware the fog. illus Approach 20:14-15 Jan '75

Beware the reflections. (Flicker vertigo) Capt Howard M. Hoffman. illus Approach 21:16-17 Jul '75

Bug smashers, gliders and other flying things. Capt Marty Steere. illus TAC Attack 15:24-25 Dec '75

C-141 operations in coffin corner. LtCol Charles L. Pocock. illus tabs MAC Flyer 22:9-11 Apr '75

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Compound emergencies. Col Jerry Schwene. illus Aerosp Safety 31:3-5 Mar '75

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Down to earth--NOE. (Training film) Ted Kontos. illus USA Avn Dig 21:40-41 Feb '75

En garde. LT Sergei M.Kowalchik. illus tab Approach 20:10-11 Apr '75

Flight leader qualification. LT Frederick D.Hansen. illus Approach 21:22-23 Sep '75

Flying safety is not paramount. Maj Joe Tillman. illus TAC Attack 15:4-7 Feb '75

Flying the thunderstorm. Maj Herbert Weigl, Jr. illus Aerosp Safety 31:6-9 Aug '75

Ground Proximity Warning System (GPWS). Elmer Bach. illus Aerosp Safety 31:2-3 Apr '75

An idea from the line. (Solving the terrain clearance problem) illus MAC Flyer 22:12-13 Aug '75

Land long and flat. (Necessity of planning the flight and flying the plan) illus Approach 20:16-17 Jan '75

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The last line of defense. Gerard M.Bruggink. illus USA Avn Dig 21:30-33 Oct '75

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NATOPS and safety. Col R.A.Walker. illus Approach 20:6-7 Apr '75

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One hole or two? (Single or twin engine fighter) LtCol Robert G.Dilger. illus tabs USAF Ftr Wpns Rev, pp 13-22, Spring '75

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Performance and professionalism: Aviation safety in the Naval Reserve. LCDR William H.Siren. illus tab Approach 20:1-3 Apr '75

Pilot flight techniques. (An experienced airline captain tells how to ensure flights are professional--and safe) Capt Mel Volz. illus MAC Flyer 22:10-13 Mar '75

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Set Condition V (for landing). LTJG David Miles. illus Approach 20:19 Jun '75

The South American way. LtCol John W.Ray. map MAC Flyer 22:13-15 Apr '75

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Time on our hands. Capt Will D.Mitchell. illus Combat Crew 25:8-10 Sep '75

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Wires--new threat to safety. illus USA Avn Dig 20:30-34 Dec '74

Your severe weather plan. SMSgt Savoie. illus TAC Attack 15:20-21 Mar '75

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CH-47

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Chinook

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Cobra

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Hueycobra

See AH-1; YAH-1

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See UH-1

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See SH-2

Nighthawk

See UH-1

HELICOPTER TYPE - Continued

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Engines

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HELICOPTERS - Continued

Engines - Cont'd

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Maintenance and Repair

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Manufacture

See Helicopter Industry and Trade

Power Plants

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Helicopters--Engines

Refueling

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Nicad batteries--from A to V. Ted Kontos. illus USA Avn Dig 21:32-35 Sep '75

Electronic Equipment
See Electronic Equipment (Aircraft)

Emergency Procedures

A closing lid on the box canyon. Capt David H. Wammer. illus MAC Flyer 22:3-5 Mar '75

Emergency low-visibility approach procedures for aviation facility ships. LT Virgil R. Siler. illus Approach 21:12-13 Oct '75

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Ground-Support Equipment

How do you hide a helicopter? (Helicopter ground movement systems) illus Army Log 7:28-29 Nov-Dec '75

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New blood. (A fire resistant hydraulic fluid for our old birds) illus tab Interceptor 17:5-9 Apr '75

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See Aeronautical Instruments

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Industry and Defense

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See also
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