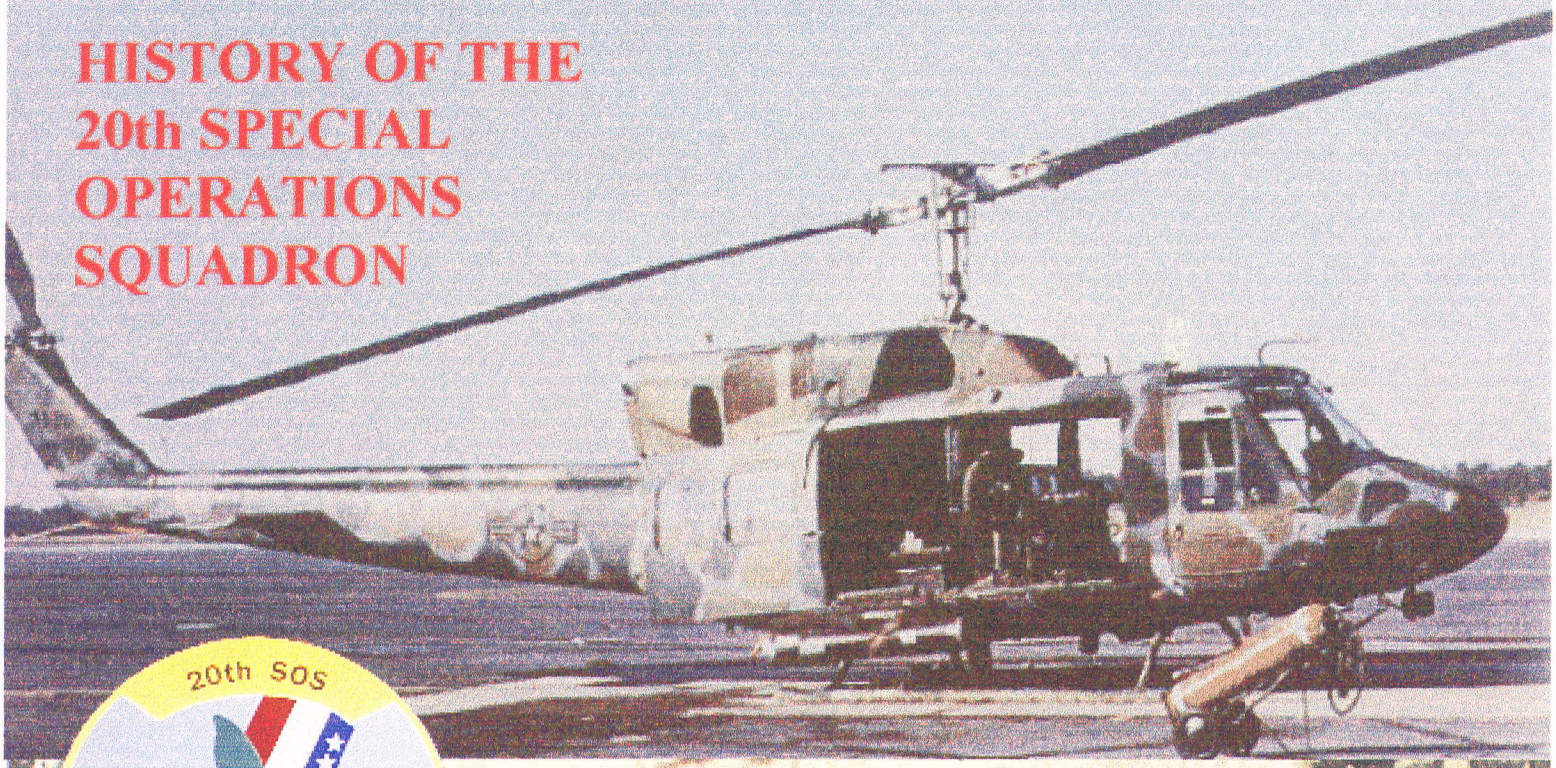
1976

HISTORY OF THE 20th SPECIAL OPERATIONS SQUADRON





MEMORANDUM

Date: 27 Dec 94

From: 20 SOS/CCX

To: WHOM IT MAY CONCERN

Subject: DOCUMENT CLASSIFICATION

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1. The documents contained herein are portions of the 1ST/16TH SOW histories for the dates shown on each document. The SOW histories as a whole are classified for the most part.

2. The documents in this binder are a compilation of materials from varied sources and have all been declassified if necessary. Sheets showing declassification are all posted in the last document protector for each respective binder.

3. Any materials you feel may be of questionable classification you are encouraged to bring to my attention and I will endeavor to alleviate your apprehensions.

SQUADRON HISTORIAN

DEPARTMENT OF THE AIR FORCE
HEADQUARTERS TACTICAL AIR COMMAND
LANGLEY AIR FORCE BASE, VIRGINIA 23665

20 505

6 November 1975

Brig Gen Bill Holton
1 SOW/CC
Eglin AFB FL 32542

Dear Bill

I guess you'll be among the first to know who's getting command of the 20 SOS (SO GA-17, 24 July 1975). Would you do us the honor of presenting the attached historical data to him?

An exact copy is being forwarded under separate cover to your historian. Am sending it to his symbol; I'm not sure I know who's on first.

How's by you?

Sincerely

BEN GOLDMAN
Chief, Office of TAC History

1 Atch
AFSHRC/HOR Ltr, 3 November 1975
w/1 Atch

Commander (20 SOS)

DEPARTMENT OF THE AIR FORCE
THE ALBERT F. SIMPSON HISTORICAL RESEARCH CENTER
MAXWELL AIR FORCE BASE, ALABAMA 36112

REPLY TO ATTN OF: HOR

3 November 1975

SUBJECT: History of 20th Special Operations Squadron

TO: TAC/CSH/Goldman
Langley AFB VA 23665

1. The attached historical material, prepared in accordance with instructions received from HQ USAF, is being distributed as follows:

a. One copy for the unit is being sent:
___ Directly to the unit.
X___ To command historian for transmittal direct to unit.

b. Three copies are being sent to command historian. Two are for further distribution to intermediate headquarters.

c. Data covers:
X___ Entire history of the unit.
___ History of the unit since

d. For data prior to given date see:
___ Combat Squadrons of the Air Force, World War II, ed. by Maurer Maurer (Washington: USGPO, 1969), pages
___ Air Force Combat Units of World War II, ed. by Maurer Maurer (Washington: USGPO, 1961; New York: Franklin Watts, 1963; both out of print), pages

2. The information concerning the unit emblem was provided by AFMPC (DPMSAA3), Randolph AFB, Texas 78148.

X___ The unit has an approved emblem, [illegible] if it no longer reflects the mission, the unit may request a modification in accordance with AFR 900-3.
___ A photograph of the emblem is appended to the unit's copy of the data.
X___ A photograph of the emblem may be obtained from 1361st Photographic Squadron, Attn: Depository Services Section, 1221 South Fern Street, Arlington, Virginia 22202.
___ The unit does not have an approved emblem. It may submit a design for approval in accordance with AFR 900-3.
___ The unit will use the emblem of

3. For information on unit lineage, history, awards, and emblems, see AFP 210-1-4; honors, AFM 900-3 and AFP 900-2; and flags and streamers, AFM 900-2.

James N. Eastman

JAMES N. EASTMAN, JR.
Chief, Research Branch

USAF UNIT LINEAGE AND HONORS

UNIT DESIGNATION

20th Special Operations Squadron

STATUS	COMPONENT OF	ASSIGNED TO
[X] ACTIVE [ ] INACTIVE [ ] DISBANDED	[X] REGULAR AIR FORCE [ ] AIR FORCE RESERVE [ ] AIR NATIONAL GUARD [ ] UNALLOTTED	1st Special Operations Wing (TAC)

LINEAGE

Constituted 20th Helicopter Squadron on 24 Feb 1956. Activated on 9 Jul 1956. Inactivated on 8 Mar 1960. Activated on 24 Sep 1965. Organized on 8 Oct 1965. Redesignated 20th Special Operations Squadron on 1 Aug 1968. Inactivated on 1 Apr 1972. Activated on 1 Jan 1976.

SEE AFP 210-1-4

HONORS (See reverse side for listing)

SERVICE STREAMERS: None

CAMPAIGN STREAMERS: See reverse side, Vietnam.

ARROWHEADS: None

DECORATIONS: Ten

PREPARED BY

THE ALBERT F. SIMPSON HISTORICAL RESEARCH CENTER, USAF

DATE PREPARED	DATA THRU
30 Oct 1975	30 Oct 1975
SUPERSEDES STATEMENT PREPARED 27 Jul 1972	JOSEPH R. HASTMAN, JR Chief, Research Branch

3825 FORM FEB 73 0 - 34 PREV EDITS ARE OBSOLETE

	SERVICE STREAMERS
	Theater of Operations (WWI)
	American Theater (WWII)
	EAME Theater (WWII)
	Asiatic-Pacific Theater (WWII)
	Korean Theater (Korean War)
	Vietnam

	CAMPAIGN STREAMERS
	World War I
	Somme Defensive
	Lys
	Champagne-Marne
	Aisne-Marne
	Somme Offensive
	Oise-Aisne
	St. Mihiel
	Meuse-Argonne
	World War II, American Theater
	Antisubmarine
	World War II, EAME Theater
	Egypt-Libya
	Algeria-French Morocco
	Tunisia
	Sicily
	Naples-Foggia
	Anzio
	Rome-Arno
	Southern France
	North Apennines
	Po Valley
	Air Offensive, Europe
	Normandy
	Northern France
	Rhineland
	Ardennes-Alsace
	Central Europe
	Air Combat
	Antisubmarine
	World War II, Asiatic-Pacific Theater
	Philippine Islands
	East Indies
	Papua
	Guadalcanal
	Northern Solomons
	Bismarck Archipelago
	New Guinea
	Leyte
	Luzon
	Southern Philippines
	Central Pacific
	Eastern Mandates
	Western Pacific
	Ryukyus
	Air Offensive, Japan
	Burma
	India-Burma
	Central Burma
	China Defensive
	China Offensive
	Aleutian Islands
	Air Combat
	Antisubmarine
	Korean War
	UN Defensive
	UN Offensive
	CCF Intervention
	First UN Counteroffensive
	CCF Spring Offensive
	UN Summer-Fall Offensive
	Second Korean Winter
	Korea Summer-Fall, 1952
	Third Korean Winter
	Korea Summer-Fall, 1953
X	Vietnam
	(See AFP 900-2). Questions should be directed to AFMPC (DPMSAA2), Randolph AFB, TX 78148.

ARROWHEADS

DECORATIONS

Distinguished/Presidential Unit Citation (AF)

PUC: Southeast Asia, 8 Mar 1966-7 Mar 1967.

PUC: Southeast Asia, 21 Jun 1968-30 Jun 1969.

AF Outstanding Unit Awards with Combat "V" device 10 Jan-12 Mar 1966; 1 Nov 1966-1 Apr 1967; 16 Jun 1967-20 Jun 1968; 1 Jul 1967-30 Jun 1968; 1 Jul 1970-30 Jun 1971; 1 Sep 1971-31 Dec 1971.

Foreign

Republic of Vietnam Gallantry Cross with Palm: 1 Jan-30 Aug 1968; 16 Jun 1967-1 Apr 1972.

Other

ASSIGNMENTS. Eighteenth Air Force, 9 Jul 1956 (attached to 314th Troop Carrier Wing from 9 Jul 1956); Ninth Air Force, 1 Sep 1957-8 Mar 1960 (remained attached to 314th Troop Carrier Wing to 16 Jul 1959; attached to 354th Tactical Fighter Wing, 16 Jul 1959-8 Mar 1960). Pacific Air Forces, 24 Sep 1965; 2d Air Division, 8 Oct 1965 (attached to 6250th Combat Support Group, c. 10 Dec 1965-8 Mar 1966); 14th Air Commando (later, Special Operations) Wing, 8 Mar 1966; 483d Tactical Airlift Wing, 1 Sep 1971-c. 31 Mar 1972. 1st Special Operations Wing, 1 Jan 1976-.

STATIONS. Sewart AFB, Tenn, 9 Jul 1956; Myrtle Beach AFB, SC, 16 Jul 1959-8 Mar 1960. Tan Son Nhut Airfield, Vietnam, 8 Oct 1965; Nha Trang AB, Vietnam, 15 Jun 1966; Tuy Hoa AB, Vietnam, 5 Sep 1969; Cam Ranh Bay AB, Vietnam, 25 Sep 1970-1 Apr 1972. Eglin AF Aux Field No 9 (Hurlburt Field), Fla, 1 Jan 1976-.

COMMANDERS. Maj James F Fowler, 9 Jul 1956; Maj Gregg D Hartley, 28 Aug 1956; Lt Col Oscar N Tibbetts, 7 Oct 1958; Maj Gregg D Hartley, 25 Jan 1959; Capt Bennie F Lemoine, 25 Jan 1960-8 Mar 1960. None (not manned), 8 Oct-c. 9 Dec 1965; Lt Col Lawrence R Cummings, c. 10 Dec 1965; Lt Col Charles O Smith, Nov 1966; Lt Col Johnny T Williams, 25 Nov 1966; Lt Col John W Amidon, Feb 1967; Lt Col John M Steen, Oct 1967; Lt Col William B Skinner, May 1968; Lt Col James A McMullen, 14 Nov 1968; Lt Col Frank A DiFiglia, 1 Dec 1968; Lt Col David K Sparks, 26 Mar 1969; Lt Col Stephen Von Phul, 18 Nov 1969; Lt Col Alexander G Edgar, 3 Jan 1970; Lt Col Harmon M Brotnov, 6 Nov 1970; Lt Col Alfred G Houston, Aug 1971; Maj Alan L Taylor, 13 Oct 1971; Lt Col Meredith S Sutton, 24 Nov 1971-72.

AIRCRAFT. H-21, Jul 1956-c. Mar 1960. CH-3, Dec 1965-Jul 1969; UH-1, Feb 1967-Mar 1972.

OPERATIONS. From Jul 1956 to Mar 1960, trained to perform aeromedical evacuation, airlift support of assault operations, and specialized airlift. Participated in numerous exercises and maneuvers, and flew logistical support missions throughout North America, including the Arctic, until inactivated. Organized in a non-operational status in Vietnam in Oct 1965. Personnel and equipment reached Tan Son Nhut on c. 10 Dec 1965, at which point activity of the 20th HS resumes.* At various times from then until late Mar 1972, operated from Tan Son Nhut, Nha Trang, Tuy Hoa, Cam Ranh Bay, Vien Hoa, Da Nang, Ban Me Thuot, Kontum, Duc Lap, Ban Do, Tieu Atar, Quan Loa, and Loc Ninh, all in the Republic of Vietnam, and from Nakon Phanom and Udorn, Thailand. Using CH-3s, provided forward airlift, counterinsurgency support, search and rescue, medical evacuation, and airlift of mail and VIPs. After assignment of UH-1s in 1967, began flying helicopter gunship missions, initially of a local nature (i.e., base defense and patrols), but soon expanded into full combat operations. Missions by this time included unconventional, special air, and psychological warfare, reconnaissance, film courier, base defense, search and destroy, medical evacuation, rescue, logistical support and VIP courier missions, plus support of civic actions. Disposed of CH-3s in Jul 1969 and flew only helicopter gunships thereafter. Stood down from all missions on 15 Mar 1972 and transferred all aircraft by 30 Mar 1972.

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*Unit's history will not include activities of the Helicopter Squadron Provisional, 20, organized at Eglin AFB, Fla, on 11 Oct 1965, assigned to TAC and attached to Ninth Air Force, which formed a nucleus of personnel and equipment for dispatching to SEA for the 20th HS. This provisional unit deployed from Eglin AFB on 5 Dec 1965 and was discontinued the following day.

EMBLEM.* Description. On a sky blue disc, edged white with red edge partly superimposed over white edge on the dexter (right) side of disc; off center to the sinister (left) on disc, a three bladed red propeller, one blade to base; the propeller superimposed over a swirling concentric circular white line pattern; between the propeller's blades and over the line pattern, three silhouetted symbols; i.e., clockwise, a sling load; a litter; and a dog's head with leg, all white, details of the first. Motto. On a sky blue disc, edged and inscribed in white: SEMPER PARATUS (Always Prepared). Significance. The specific significance of the symbols and colors of our emblem is as follows: the litter symbolizes the Aeromedical Evacuation mission of helicopters in conjunction with troop carrier paradrop missions or military assistance in evacuation of any disaster area; the sling load represents the capability of the helicopter to carry cargo or equipment on a sling and hook located underneath the fuselage. These missions involve providing airlift for initial establishment and resupply of Air Force activities at isolated non-airfield areas; the dog's head and leg portray the search and rescue mission of any helicopter unit; the blue color designates the sky in which the aircraft operates; the red color is used on the blades to signify the designated organizational color of the 20th Helicopter Squadron. It is also symbolic of activity and is used on the band to signify "active flying;" the white color is of a neutral hue and indicates the passive alert and the latent ability of the helicopter to do many things. Approved by Hq USAF on 22 May 1957.

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*Information taken from Historical Research Division file, and may or may not be current. No drawing of emblem available. Information concerning unit emblem may be requested from AF Mil Pers Cen (DPMASA), Randolph AFB, Tex, 78148. See AFR 900-3 for emblem procedures.



20TH HELICOPTER SQUADRON

HISTORICAL REPORT

TWENTIETH SPECIAL OPERATIONS SQUADRON

1 January 1976 - 31 March 1976*

COMMANDER

Lt Colonel Robert E. Mayo

MISSION STATEMENT

PRIMARY: Conduct day/night infiltration, exfiltration, reenforcement, and resupply into hostile or enemy controlled territory using airland and airdrop techniques over land or water. Conduct psychological operations to include aerial dispensing of leaflets.

COROLLARY: (1) Recovery of Personnel:
(a) Escape and evasion operations.
(b) Combat search and rescue operations for UW Forces. Where ARRS forces are not readily available, SAR operations include locating survivors, recovery by airland or aerial recovery by rescue hoist, minimal first aid, and transportation to the nearest medical facility.
(2) Shipboard operations.
(3) Medical evacuation of personnel.
(4) Humanitarian and civic action operations.
(5) Limited photo reconnaissance, either by hand held or modularly installed camera systems.
(6) Other as directed.

MANNING

POSITION	AUTHORIZED	ASSIGNED
Pilot	32	29
Flight Surgeon	1	0
Helicopter Flight Mechanic	21	15
Weapons Specialist	9	4
Admin/Operations Specialists	6	9
Medical Technician	3	3
Life Support Technician	4	4
TOTAL	76	64

* Due to the fact the 20th SOS was not activated until 1 Jan 76, a quarterly history was not prepared for the preceeding quarter. Many significant events occurred prior to official activation while the squadron was in provisional status. These items are included in the text of this report.

KEY PERSONNEL

Commander - Lt Col Robert E. Mayo, DAS - 22 Oct 75
Operations Officer - Lt Col Frank E. Spencer, DAS - 3 Sept 75
Safety Officer - Capt John H. Schramm, DAS - 29 Oct 75
A Flight Commander - Capt John W. Schoen - DAS - 20 Sept 75
B Flight Commander - Capt Charles R. Merriott - DAS - 15 Dec 75
C Flight Commander - Capt Carl P. Moore - DAS - 26 Jan 76
D Flight Commander - Capt Richard J. Hlavaty - DAS - 23 Jan 76
NCOIC Operations/1st Sgt - MSgt Alfred A. VanPool, DAS - 7 Nov 75
Chief Flight Mech - MS gt James W. Burns, - DAS - 19 Dec 75
Chief Aerial Gunner - MSgt Ronald Jim Gray, DAS - 24 Feb 75
NCOIC Admin - SSgt James H. Wells, DAS - 16 Dec 75

STATEMENT OF SPECIALIZED EQUIPMENT

The single unit aircraft: UH-1N 69-66654 was received from Warner Robins AFB, Georgia on 20 August 1975 and assigned to the First Special Operation Wing on the same day at 1330 hours. At this time, the aircraft was a non-Special Operations equipped aircraft.

Unit equipment (UE) aircraft authorized by the USAF Programming Documents are six UH-1N and four CH-3E. Special equipment authorized for the special operations mission was listed in TAC P-Plan 3-75, dated 23 Feburary 1975, and Hq TAC/DORS letter, dated 12 March 1976, subject: Designed Operational Capability (DOC) for the 20 SOS.

CHRONOLOGY OF IMPORTANT EVENTS

24 July 1975 - Special Order GA-17 initiated to reactivate the Twentieth on 1 January 1976.
20 August 1975 - Unit aircraft UH-1N; 69-66654 assigned Hurlburt Field, Florida.
29 August 1975 - Major William A. Scott III became the first member of the unit to sign in at the First Special Operation Wing.
3 September 1975 - The Operations Officer, Lt Colonel Frank E. Spencer arrived on station.
22 October 1975 - Twentieth Special Operations Squadron Commander, Lt Colonel Robert E. Mayo signed in.
25 November 1975 - Aircrew Phase II Training waiver was received from Tactical Air Command. This waiver allowed Lt Col Frank E. Spencer and Captain Frank Waid to accomplish and instruct all Phase II items except tactical gunnery.
2 December 1975 - Squadron flew VIP support for Commander Tactical Air Command, General Robert J. Dixon.
11 December 1975 - Unit relocation to building 90736 was completed.
1 January 1976 - Twentieth Special Operations Squadron officially activated. At this time, 55% of the authorized personnel were on station.
11 January 1976 - Major William A. Scott III, Captain John W. Schoen and TSgt Fred J. Cook left TDY for Luke AFB, AZ for recurrency in the CH-3E.
13 January 1976 - The squadron flew a code 2 VIP support for Mr. Donald P. Smith, professional staff member of House Committee on Appropriation.
24 February 1976 - Squadron Commander, Lt Colonel Robert E. Mayo and Tactics Officer, Captain Gary L. Weikel briefed the Army Special Forces contingent from Ft Bragg, NC. Briefing topics included: Mission, Organization, and Capabilities.
8 March 1976 - Captain Frank W. Waid, Capt Charles R. Merriott, TSgt Richard L. Mustered, and MSgt Floyd W. Watson Jr. left TDY to Howard AF, Canal Zone for Phase II and Instructor Upgrade Training in the UH-1N (gunnery & rocket training).
11 March 1976 - The squadron's only assigned aircraft, UH-1N, 69-66654 was placed in front of Hurlburt Base Operations and manned by Capt Michael Lackey and TSgt William Dunbar. This static display was for the benefit of 100 Reserve Officers from Aerospace Systems Division, Wright Patterson AFB, Ohio.
28 March 1976 - Captain James C. Woolworth, Captain James E. Greider, MSgt James W. Burns, and TSgt Fred J. Cook departed TDY to Luke AFB, AZ for Phase II and Instructor Upgrade Training in the CH-3E.

HIGHLIGHTS OF ROUTINE OPERATIONS

The squadron completed five self-help projects in the squadron building (90736). Among these were significant construction in the flight planning/ duty officer section, construction of doorway uniting life support sections and work benches in life support, and construction of duty officers console with storage area.

The Manual Control section was organized with Capt David I. Tidd and Sgt David M. Rech in control. Eighty-one percent of the required manuals were on hand at the close of the first quarter of 1976. The remaining nineteen percent were on order but had not arrived.

The squadron's Life Support Section was organized by SSgt Robert E. Sly. On 5 Jan 76, SSgt Vaughan C. Smith, Sgt Lamont C. Pass, and AIC Winsley E. Felix returned after 3 weeks of temporary assignment with the 16th SOS in support of incoming C-130 aircraft from Thailand. Each received a letter of appreciation from 16th SOS Commander.

The squadron Standardization and Evaluation (DOV) Officer, Capt Frank E. Waid (Capt Waid will become the 1st SOW/DOV) initiated setting up of the DOV section and:

1. Initiated action to set up Manual Control and FCIF File.
2. Rewrote local chapter 15 of TACR 55-41, H-1.
3. Initiated local Stan/Eval test and procedures.
4. Consolidated 846 folders.
5. Wrote Phase II Lesson Plans (Jan 76).
6. Initiated Phase II Ground School (Jan 76).

Capt Waid was also significant in the satisfactory rating the 20th SOS received after a TAC/DOV staff visit in January 1976.

The squadron Tactics Officer, Capt Gary L. Weikel, submitted three Required Operational Capabilities (ROCs):

1. 50 cal/Armament Upgrade ROC. (UH-1N and CH-3E) which would provide:
    a. Increased range, penetration, rate of fire
    b. .51 Cal standoff capability
    c. light armor defeat capability
    d. anti-aircraft defense
    e. point destruction ability
2. Stability Augmentation/Advanced Avionics ROC which:
    a. Improves IFR flight characteristics
    b. Improves rocket delivery accuracy
    c. Provides basic instrumentation (platform for future adaptation of PAVELOW - type equipment.
    d. Enhances safety in all weather conditions by preventing inadvertent downwind hover/approach.
3. Aerial Refueling ROC (CH-3E) which:
    a. Increases combat radius, ferry range.

b. Reduces battle damage implications (to fuel cells).
c. Increases useful load by reducing fuel - on - board.
d. Allows deployment of aircraft independent of air/sea left.

Capt Weikel also conducted unit testing on threats most likely encountered, presented three formal briefings to: 1) Army Special Forces, 2) Special Operations School, 3) preliminary brief to 1st SOW/DO for Air War College visit and established unit Tactics File and Tactics Library IAW TACR 55-120. Capt Weikel conducted extensive background research on the above mentioned ROCs to include fitting and functioning trials of the .50 cal weapon, wrote the 20th SOS Concept of Employment for inclusion in ROC, and rewrote TACM 55-41. RM

The 20th SOS administrative operation began on 20 Sept 75 when the Administrative Officer, 1Lt Kenneth H. Charfauros, reported on station. The squadron's first 702X0, Sgt John D. Mullis, signed in on 4 Nov 75. On 26 Sep 75 the administrative efforts of Lt Col Kaye Jackson (1 SOW/DOTU), Lt Col Frank Spencer, and 1Lt Charfauros in combing the AFR 0-2 for general publication requirements resulted in a letter to 834 CSG/PDO requesting issuance of pubs to account #58. The order included:

1. 175 AF regulations and manuals.
2. 40 TAC regulations and manuals.
3. 40 HF regulations and manuals.
4. 2 JCS publications.

It was noted that even Coast Guard, Navy, and Army publications were acquired to support the special operations mission. On 16 Dec 75 the 20th SOS Administrative Section inherited the 519th TASTS administrative section. On 17 Jan 76 the Administrative Section forwarded its first Officer Evaluation Report

SPECIAL ACHIEVEMENTS

The following unit personel were decorated after assignment to the 20th SOS:
Lt Col Frank E. Spencer - MSM, 26 Sept 75
Lt Col Robert E. Mayo - MSM, 19 Dec 75
Maj William A. Scott III - MSM, 19 Dec 75
Capt John H. Schramm - Silver Star & Air Medal, 19 Dec 75
Capt Michael B. Lackey - DFC, 9 Jan 76
Capt John H. Schramm - Joint Service Commendation Medal, 18 Feb 76
1Lt Peter R. O'Day - AFCM, 18 Feb 76
TSgt William R. Dunbar, AFCM, 18 Feb 76
TSgt John A. Civick, AFCM, 18 Feb 76
Capt Karl W. Poulsen - Air Medal, 27 Feb 76
Capt David I. Tidd - Air Medal, 27 Feb 76
1Lt David W. Greer - Air Medal, 27 Feb 76
Capt James C. Woolworth, AFCM, 26 Mar 76
Capt Robert D. Blough - AFCM, 26 Mar 76
MSgt Ronald J. Gray - AFCM, 26 Mar 76
MSgt Alfred A. VanPool - AFCM, 26 Mar 76
TSgt Samuel C. Adams - AFCM, 26 Mar 76
SSgt William H. Bradshaw - AFCM, 26 Mar 76.

The following squadron personnel completed the Foreign Interal Defense Course:
Lt Col Robert E. Mayo
Lt Col Frank E. Spencer
Maj William A. Scott III
Capt Robert D. Blough
Capt David I. Tidd
1Lt Kenneth H. Charfauros
2Lt Michael C. Chatham
2Lt Joseph J. Pounder
MSgt James W. Burns
TSgt Fred J. Cook
TSgt John A. Civick
TSgt William R. Dunbar
TSgt William N. Houston
TSgt Lee E. Brown
SSgt John C. Kriletich
Sgt David M. Rech

The following squadron personnel have completed the NCO/Air Ground Operation School:
MSgt James W. Burns
TSgt Emory L. Craig
SSgt John C. Kriletich
Sgt David M. Rech
TSgt Lee E. Brown
SSgt William H. Bradshaw
SSgt Glenn R. Wartluft

Lt Col Frank E. Spencer, Capt Charles R. Merriott, and Capt Robert D. Blough have completed the Unconventional Warfare Course. 1Lt Joseph C. Vallimont completed Instructor Pilot Instrument Course, Helicopter at Randolph AFB, TX.

SPECIAL PROBLEMS

The most significant problem that has confronted the 20th SOS is the lack of authorized U.E. aircraft. This has prevented the timely accomplishment of milestones stipulated in TAC P-Plan 3-75 and has protracted the combat ready date. The solution to the problem rests within the Air Staff, HQ USAF, Washington, D.C. The 20th SOS, 1st SOW, and TAC have raised the issue to HQ USAF. A message from the DCS P&R, HQ USAF was expected in early March 1976. This message was supposed to identify five additional UH-1Ns and four CH-3Es for transfer to the TAC and the 1st SOW. Obtaining combat ready status by the specified date was predicated on receipt of aircraft beginning 5 March 1976 and one per week thereafter. Each day's delay in receipt of aircraft past 5 March 1976 has caused a day's slip in the projected combat ready date.

SPECIAL INTEREST ITEMS

The following is a listing of sorties and hours flown by the 20th SOS by catagory

MONTH	CATEGORY	SORTIES	HOURS
October 75	O-8	1	0.7
	T-3	1	2.0
November 75	T-3	7	10.8
December 75	O-8	5	1 4
	T-3	19	2[illegible].9
January 76	O-8	1	0.4
	T-3	14	18.3
February 76	O-8	6	1 6
	T-3	9	16.1
March 76	T-3	28	43.3
	O-8	4	1.6
	A-7	1	2.0

5041

UNCLASSIFIED

R 172305Z JUN 71 ZYB
FM CINCPACAF HICKAM AFB HI//DOOC//
TO RUCLEDA/JOINT CHIEFS OF STAFF WASHINGTON DC//
RUCLEDA/CINCPAC HONOLULU HI//
RUCLEDA/CINCSAC OFFUTT AFB NE//
RUCLEDA/COMUSMACV SAIGON//
RUCLEDA/CINCUSARPAC FT SHAFTER HI//
RUCLEDA/CINCPACFLT PEARL HARBOR HI//
RUCLEDA/CINCUSAREUR HEIDELBERG//
RUCLEDA/CINCUSAFE SEMBACH AB//
RUCLEDA/CINCUSARSO FT AMADOR CZ//
RUCLEDA/CINCUSAFSO ALBROOK AFB CZ//
RUCLEDA/CINCUSNAVEUR LONDON//
RUCLEDA/CINCUSAFEUR RAMSTEIN AB//
RUCLEDA/CINCUSAFA ANDREWS AFB MD//
RUCLEDA/CINCUSAFLANT LANGLEY AFB VA//
RUCLEDA/CINCUSARMA FT MCPHERSON GA//
RUCLEDA/CINCUSNAVMED WASHINGTON DC//
RUCLEDA/CINCUSNAVSO BALBOA CZ//
RUCLEDA/CINCUSNAVPAC PEARL HARBOR HI//
RUCLEDA/CINCUSNAVLANT NORFOLK VA//
RUCLEDA/CINCUSAFPAC HICKAM AFB HI//
RUCLEDA/CINCUSARPAC FT SHAFTER HI//
RUCLEDA/CINCUSARMA FT MCPHERSON GA//
RUCLEDA/CINCUSAFSO ALBROOK AFB CZ//
RUCLEDA/CINCUSAFLANT LANGLEY AFB VA//
RUCLEDA/CINCUSAFEUR RAMSTEIN AB//
RUCLEDA/CINCUSAFE SEMBACH AB//
RUCLEDA/CINCUSAFA ANDREWS AFB MD//
RUCLEDA/CINCSAC OFFUTT AFB NE//
RUCLEDA/CINCPACAF HICKAM AFB HI//
RUCLEDA/CINCPACFLT PEARL HARBOR HI//
RUCLEDA/CINCUSAREUR HEIDELBERG//
RUCLEDA/CINCUSARSO FT AMADOR CZ//
RUCLEDA/CINCUSARPAC FT SHAFTER HI//
RUCLEDA/CINCUSARMA FT MCPHERSON GA//
RUCLEDA/CINCUSNAVSO BALBOA CZ//
RUCLEDA/CINCUSNAVPAC PEARL HARBOR HI//
RUCLEDA/CINCUSNAVLANT NORFOLK VA//
RUCLEDA/CINCUSNAVEUR LONDON//
RUCLEDA/CINCUSNAVMED WASHINGTON DC//
RUCLEDA/CINCUSMACV SAIGON//
BT
UNCLAS

SUBJ: REASSIGNMENT OF [redacted]/H-1F HELICOPTERS TO 1 SOS (TAC). REF TAC/LG& 172305Z JUN 71 (NOTAL - ARRS, 39 ARRS, 71 ARRS, USAF). THE FOLLOWING ACFT HAVE BEEN IDENTIFIED FOR TRANSFER TO TAC:

	SERIAL NUMBER	LOCATION	UNIT TO BE ASSIGNED
CH-3E	69-5811	[illegible]	[illegible]
HH-3E	66-13290	[illegible]	1211/3
UH-1N	69-6641	[illegible]	1211/3
UH-1N	69-6653	[illegible]	1211/3
UH-1N	69-6642	[illegible]	1211/3

[illegible] PARTICIPATING [illegible] SHALL COORDINATE WITH [illegible] TO INSURE ACCEPTANCE OF ACFT [illegible] CONCURRENCE WITH REQUEST TO WAIVE PARA 5-2R(1), [illegible] C-20-1, BE WAIVED FOR H-3 69-5811 AND H-1 69-6641. PHASE I [illegible] SECTION HAS BEEN ACCOMPLISHED [illegible] H-3 66-13290 AND WILL BE ACCOMPLISHED ON H-1 69-6653 AND 69-6642. TRANSFER DATES WILL BE ESTABLISHED AFTER RECEIPT OF CINCPAC REPLY.

BT

UNCLASSIFIED

FM [illegible]
TO [illegible]
INFO [illegible]
BT
UNCLAS

SUBJ: TRANSFER OF C8/[illegible]-3 ACFT.

1. MAC PROJECT ORDER 76-25 APPLIES FOR THE TRANSFER OF THE FOLLOWING ACFT IN COLE CA (FSC 27241F) O/A DATES INDICATED. PROJECT MAC 6A-2,3 APPLIES.

NR/MF/PROP/TO/O/A DATE

PAGE 2 KOCIAAA040 UNCLAS

NF-3E [illegible]6-13290 61ARRS/MCCLELLAN 1SOI/EGLIN 25 JUN 76
CH-3E 69-5811 71ARRS/SLIENDORF 1SOI/EGLIN 30 JUN 76

2. ACFT TRANSFER INSPECTIONS WILL BE I/A/W T.O. 00-20-1 UNLESS WAIVED TAC. TAC RESPONSIBLE FOR ACFT DELIVERY TO EGLIN. DIRECT COMMUNICATIONS AUTHORIZED TO ARRANGE DETAILS. FURNISH THIS HQ LOGA AND LOGM COPY OF COORDINATED CAI/LOGS MSG IAW AFR 55-110.

3. USIS PROJECT SURPASS #[illegible] MAC PROJECT ORDER 76-11 (REPLACEMENT TO TAC 01-105) OF 15 [illegible] 75.

[illegible]

BRGN

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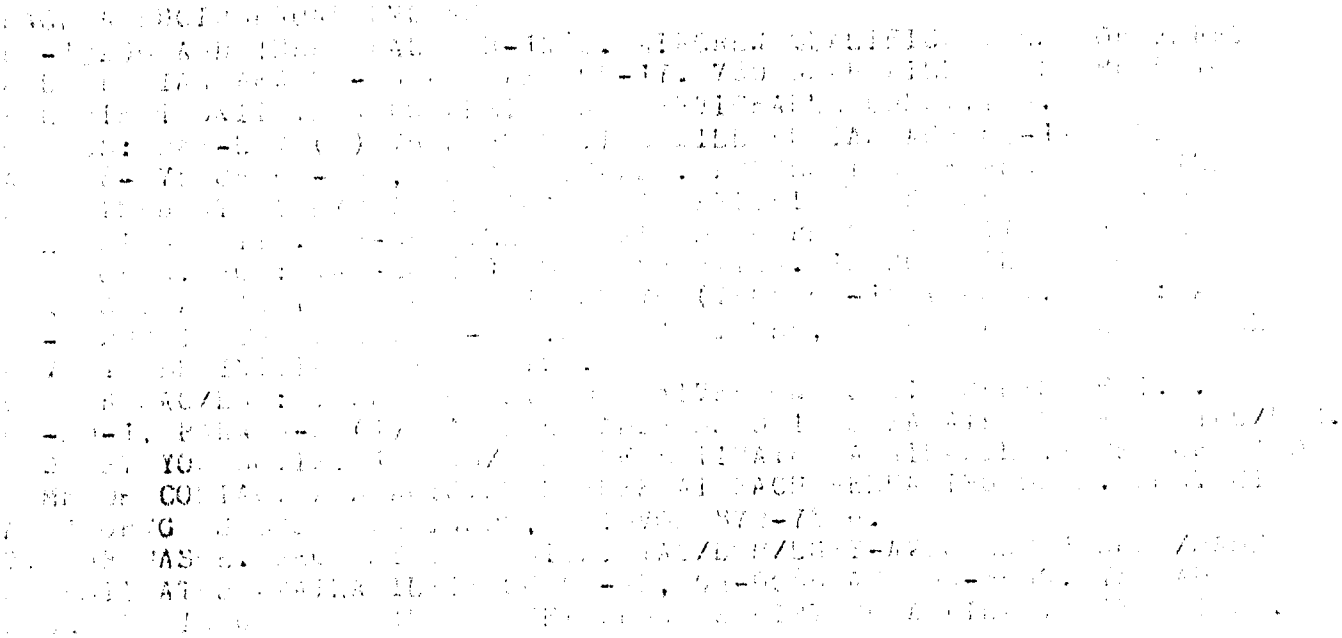
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HISTORICAL REPORT

TWENTIETH SPECIAL OPERATIONS SQUADRON

1 April 1976 - 30 June 1976

COMMANDER

Lt Colonel Robert E. Mayo

MISSION STATEMENT

PRIMARY: Conduct day/night infiltration, exfiltration, reenforcement, and resupply into hostile or enemy controlled territory using airland and air-drop techniques over land or water. Conduct psychological operations to include aerial dispensing of leaflets.

COROLLARY: (1) Recovery of Personnel:
(a) Escape and evasion operations.
(b) Combat search and rescue operations for UW Forces. Where ARRS forces are not readily available, SAR operations include locating survivors, recovery by airland or aerial recovery by rescue hoist, minimal first aid, and transportation to the nearest medical facility.
(2) Shipboard Operations.
(3) Medical evacuation of personnel.
(4) Humanitarian and civic action operations.
(5) Limited photo reconnaissance, either by hand held or modularly installed camera systems.
(6) Other as directed.

MANNING

POSITION	AUTHORIZED	ASSIGNED
Pilot	32	27
Flight Surgeon	1	0
Helicopter Flight Mechanic	21	14
Weapons Specialist	9	10
Admin/Operations Specialists	6	8
Medical Technician	3	3
Life Support Technician	4	3
TOTAL	76	65

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KEY PERSONNEL

Commander - Lt Col Robert E. Mayo, DAS - 22 Oct 75
Operations Officer - Lt Col Frank E. Spencer, DAS - 3 Sept 75
Excutive Officer - Capt John M. Graham, DAS - 12 Feb 76
Safety Officer - Capt John H. Schramm, DAS - 29 Oct 75
A Flight Commander - Capt Frank J. Pelz Jr, DAS - 28 Feb 76
B Flight Commander - Capt Charles R. Merriott - DAS - 15 Dec 75
C Flight Commander - Capt Carl P. Moore, DAS - 26 Jan 76
D Flight Commander - Capt Richard J. Hlavaty, DAS - 23 Jan 76
NCOIC Operations/1st Sgt - MSgt Alfred A. VanPool, DAS - 7 Nov 75
Chief Flight Mech - MSgt James W. Burns, DAS - 19 Dec 75
Chief Aerial Gunner - MSgt Ronald Jim Gray, DAS - 24 Feb 75
NCOIC Admin - SSgt James H. Wells, DAS - 16 Dec 75
NCOIC Life Support - SSgt Vaughn C. Smith, DAS - 15 Dec 75

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STATEMENT OF SPECIALIZED EQUIPMENT

Unit equipment aircraft authorized by the USAF Programming Documents are six UH-1N and four CH-3E. To date four UH-1N and 2 CH-3E are on station. The remaining UH-1N aircraft have been identified by tail number. The remaining CH-3E aircraft will come from Military Aircraft Storage and Disposition Center (MASDC) and will require extensive modification before becoming mission ready. Special equipment authorized for the special operation missions is listed in TAC P-Plan 3-75, 23 Feb 75 and HQ TAC/DORS letter, 12 Mar 76, subject: Designed Operational Capability (DOC) for the 20 SOS.

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CHRONOLOGY OF IMPORTANT EVENTS

1 April 1976 - Capt John Schoen TDY to Maxwell AFB, AL to attend Academic Instructor Course.
4 April 1976 - 1Lt Roland Schank TDY to Norton AFB, California to attend Flight Safety Officer School.
6 April 1976 - 1Lt Joseph Vallimont returned from Randolph TX after completing IPIS Course 76-12 (USAF Instructor Pilot Instrument Course).
6 April 1976 - Capt Bob Blough returned from Nellis AFB NV after participating in 1 SOW review of Red Flag Operation.
14 April 1976 - 1Lt Peter R. O'Day TDY to Maxwell AFB, AL to attend Squadron Officer School.
14 April 1976 - TSgt William Dunbar TDY to Bergstrom AFB, TX to attend TAC NCO Academy.
23 April 1976 - GREEN HORNETS held their annual reunion at the Holiday Inn, Fort Walton Beach, FL, sponsered by 20 SOS.
3 May 1976 - Capt John H. Schramm and Capt Robert Blough TDY to Pope AFB,NC to participate in Solid Shield '76 to man positions on the JUWTFA Staff and CH3-AFJUWTFA respectively.
9 May 1976 - Capt Frank Pelz TDY to Solid Shield '76 as a Helicopter Advisor to the Combat Operations Section AFFOR-DO.
10 May 1976 - 2Lt Joe Pounder and SSgt Richard Musterd TDY to Solid Shield '76 as a UW Plans Officer and Ground Evader respectively.
10 May 1976 - Capt James Grider, Capt Frank Waid, and TSgt William Dunbar PCA to 1 SOW/DOV.
18 May 1976 - Lt Col Frank E. Spencer, Capt Gary L. Weikel and Capt Karl W. Poulsen to Washington DC on 1 SOW Project.
30 May 1976 - SSgt William H. Bradshaw and Sgt James W. Gray TDY to Fairchild AFB, WA to attend Basic Survival School.
1 June 1976 - Lt Col Robert Mayo and Capt Frank Waid TDY to Ft Rucker, AL to attend a Helicopter Training Conference at the US Army Aviation School.
4 June 1976 - Three USAF Academy Cadets, Cadets Kirkham, Ellis and Johnson are assigned to this organization for Operation Third Lieutenant.
9 June 1976 - Capt Richard J. Sartini TDY to Ft Eustis, VA to attend the Army's Maintenance Officers Course.
22 June 1976 - Lt Col Frank Spencer, Capt Gary Weikel and Capt Karl Poulsen TDY to Langley AFB, VA to brief TAC/DR, MGEN Leaf.
26 June 1976 - Static Display for Festival Days Open House UH-1N - Crew were Capt Merriot, 1Lt Valimont, SSgt Mustard.
27 June 1976 - Static Display for Festival Days Open House - UH1N - Crew were Capt Waid, Capt Cowan.
28 June 1976 - Static Display - UH-1N, 1 SOW/CC retirement ceremony.
29 June 1976 - Unit's second aircraft #642 arrived from MacDill AFB, FL.

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HIGHLIGHTS OF ROUTINE OPERATIONS

Self-help projects are progressing well. Squadron personnel completed painting the interior of the building. When materials are made available, projects to refurbish the squadron duty crew lounge and enlisted barracks module will be completed.

Capt John Fineour assumed responsibility for squadron Standardization and Evaluation office from Capt Frank E. Waid (PCA to 1 SOW/DOV). Local flying procedures for CH-3 and UH-1N were published as squadron regulations. Standardized procedures for bold face/situation of the day briefings were designed to conform with 1 SOW policy. A M-60 training program was developed and implemented for squadron aircrew members. A new flight check notification procedure was developed. Weekly written tests have been established to maintain a high level of aircrew knowledge.

The squadron Tactics Office was active during this period. The squadron gave a number of formal briefings on helicopter employment concepts to:

1. Visiting Air War College students.
2. Unconventional Warfare class at USAFSOS.
3. Tactics Council.
4. TAC general staff.
5. Visiting Air Guard personnel.
6. 9 AF.
7. Air Staff.

The squadron conducted extensive investigation of new equipment and roles of employment and compiled a comprehensive study on new application for helicopters. These studies have identified the UTTAS helicopter, as a replacement for the UH-1N and CH-3E to fulfill future invisioned missions to include not only Unconventional Warfare but conventional roles such as SAM suppression, combat rescue, and Scout/FAC mission in a high threat area. A visit to the Army Night Viewing Laboratory provided background and information required for justification and aquisition of night vision goggles (NVG) for the squadron. Further 20 SOS concept of employment and 20 SOS chapter "Threats Defensive Tactics for 1 SOW Aircraft" were developed and published; essential inputs and course syllabus corrections for MAP pilots was written. Other projects including evaluation of a new Army missile, establishment of a tactics file and evaluation of a new engine for the CH-3E were accomplished.

The squadron's Life Support section came under control of 1Lt Colin Chatham on 15 Apr 76. On 18 Jun 76 with the transfer of TSgt Robert E. Sly to Langley AFB, VA, SSgt Vaughn Smith became NCOIC of Life Support. In addition to maintaining squadron Life Support equipment, squadron Life Support personnel assisted the 1 SOW in conducting Wet Drill Training for all aircrew personnel stationed at Hurlburt Field.

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SPECIAL ACHIEVEMENTS

Capt Lackey, Michael B., Americian Legion Valor Award - 1 May 76

The following personnel completed USAFSOS/Unconventional Warfare Course:

Lt Col Robert Mayo
Capt Richard Hlavaty
Capt Carl Moore
Capt Karl Poulsen
Capt Richard Sartini
Capt John Schramm
Capt Frank Waid
Capt Gary Weikel
1Lt Ken Charfauros

The following squadron personnel completed a two week USAFAGOS/Combat Operations Specialist Course:

Capt Stetson Cowan
Capt Richard Sartini
Capt John Graham
Capt Richard Hlavaty
Capt John Schramm
1Lt David Greer

The following squadron personnel completed USAFSOS/Psychological Course:

Capt John Graham
Capt Carl Moore
Capt David Tidd
1Lt Colin Chatham

The following squadron personnel completed Acedemic Instructor Training Course:

Capt John Schoen
Capt James Woolworth
SSgt William Bradshaw

The following squadron personnel attended USAF NCO/AGOS:

MSgt Michael Otis
TSgt Samuel Adams
TSgt Jim Roach
SSgt Ben Marshall
Sgt Rodney Hilson

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SPECIAL PROBLEMS

The lack of special operations configured aircraft continues as the single most critical problem. This prevents flying training and inhibits ground training necessary to obtain combat ready status. Of six UH-1Ns authorized, four are on station; however, only one has been configured with M-93 Gun and LAU-68 Armament Systems for live fire sorties. Our UH-1Ns need the complete set of special operations Group B equipment to include armament, armor and avionics such as VHF-FM radio's, etc. The four CH-3Es authorized have been identified. Two of these aircraft are mission capable, 69-5811 at Elmendorf AFB, Alaska, and 66-13290 at McClellan AFB, California. CH-3Es 63-9686 and 65-5699 identified for transfer from the MASDC, Davis Monthan AFB, Arizona, will require extensive modification to become mission capable assets.

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SPECIAL INTEREST ITEMS

The following is a listing of sorties flown by the 20 SOS by category.

Month	Category	Sorties	Hours
April 76	O-8	6	3.8
	T-3	18	36.1
	A-4	1	1.0
May 76	O-8	16	5.0
	T-3	11	22.7
June 76	O-8	2	0.8
	A-7	2	0.6
	T-3	28	5?.5

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[illegible] RUVRAAA4[illegible] M51500-00[illegible]--RUCLUSA.
ZNR UUUUU
P 131452Z MAR 76
FM AFRES ROBINS AFB GA/DOOT
TO RUCIPDA/TAC LANGLEY AFB VA/DORS
INFO RUVHAAA/WESTERN AFRR MCCLELLAN AFB CA/DO
RHSJJA/302SOS LUKE AFB AZ/CC
RUCLHDA/1SOS EGLIN AF AUX FLD 9 FL/DO
RUCLHDA/20SOS EGLIN AF AUX FLD 9 FL/DO

UNCLAS

SUBJ: CH-3 PHASE I /II STRUCTOR TRAINING FOR 302SOS (REF TAC/DOR 041454Z MAR 76).

1. THE 302SOS WILL PROVIDE REQUESTED TRAINING BETWEEN 10 MAR 76 AND 20 APR 76. TRAINING FOR EACH P/RH WILL INCLUDE 15 HOURS GROUND TRAINING PLUS 8 PHASE II SORTIES
1 PHASE II EVALUATION
3 INSTRUCTOR SPORADIC SORTIES
1 INSTRUCTOR EVALUATION

2. [illegible] ARE PLANNED WITH MONTHLY DATA FILE IN 302 SOS HAS [illegible] SORTIES AND EVALUATE [illegible] INDICATED ON A PROFICIENCY BASIS.

PAGE 2 RUVRAAA4719 UNCLAS

3. REQUEST TAC PRO ID [illegible] 302SOS 40 OFFICER AND 40 ENLISTED MPA MANDAYS TO ACCOMPLISH TRAINING.

4. [illegible]

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K-WG-1-HI (CMDO)
76/07/01 - 76/09/30 SD 19
V.2

HISTORICAL REPORT

TWENTIETH SPECIAL OPERATIONS SQUADRON

1 JULY 1976 - 30 SEPTEMBER 1976

LT COLONEL ROBERT E. MAYO
Commander

MISSION STATEMENT

The primary mission of the 20th Special Operations Squadron (SOS) reads like a multi-faceted summary of helicopter special operations. The Squadron is tasked to conduct day or night infiltration, exfiltration, and reenforcement and resupply into hostile or enemy controlled territory. These operations include the use of airland and airdrop techniques, and could entail land or water overflight. Another primary mission is the conduct of psychological operations, which include speaker broadcasts and the aerial dispensing of leaflets.

Corollary missions give the Squadron the flexibility and varied capabilities for which special operations units are noted. These missions include:

a. Recovery of personnel, which also entails escape and evasion operations, and combat search and rescue (SAR). SAR operations would normally be prosecuted from forward operating locations (FOL), where dedicated Aerospace Rescue and Recovery Service (ARRS) forces would be unavailable. SAR efforts would include the majority of ARRS techniques: search and location of survivors, airland or aerial recovery (i.e., hoist, STABO rig), minimal first aid, and transportation to the nearest medical facility.

b. Helicopter shipboard operations (joint service).

c. Medical evacuation of injured personnel.

d. Humanitarian and civic action programs.

e. Limited photo reconnaissance, by handheld or modularly installed camera systems.

f. Other missions, as directed by higher headquarters.

MANNING

Position	Authorized	Assigned
Commander	1	1
Operations Officer	1	1
Flight Surgeon	1	0
Pilots, UH-1N	18	17
Pilots, CH-3E	12	10
Flight Mechanics, UH-1N	9	7
Flight Mechanics, CH-3E	12	10
Weapons Specialists, UH-1N	9	10
Administrative Specialists	3	3
Operations Specialists	3	4
Medical Technicians	3	3
Life Support Technicians	4	2
Total	76	68

KEY PERSONNEL

Position	Individual	Effective
Commander	Lt Col Robert E. Mayo	22 Oct 75
Operations Officer	Lt Col Frank E. Spencer	3 Sep 75
Asst Ops Officer, UH-1N	Maj Jerone L. Gudvangen	5 Sep 76
Asst Ops Officer, CH-3E	Maj Dwight A. Haworth	21 Jul 76
Executive Officer	Capt John M. Graham	12 Feb 76
Safety Officer	Capt John H. Schramm	29 Oct 75
A Flight Commander	Capt Frank J. Pelz, Jr.	30 Jul 76
B Flight Commander	Capt Charles R. Merriott	15 Dec 75
C Flight Commander	Capt Carl P. Moore	26 Jan 76
D Flight Commander	Capt Richard J. Hlavaty	23 Jan 76
Stan/Eval Officer	Capt John V.S. Fineour	9 Apr 76
NCOIC, Operations/1st Sgt	MSgt Alfred A. VanPool	7 Nov 75
NCOIC, Flight Mechanics	SMSgt James W. Burns	19 Dec 75
NCOIC, Weapons Specialists	MSgt Ronald J. Gray	24 Feb 75
NCOIC, Stan/Eval	MSgt Floyd W. Watson, Jr	2 Dec 75
NCOIC, Administration	SSgt James H. Wells	16 Dec 75
NCOIC, Life Support	SSgt Lamont C. Pass	28 Sep 76

STATEMENT OF SPECIALIZED EQUIPMENT

The Squadron's aircraft equipage, as authorized by Air Force Programming Documents, include six UH-1Ns and four CH-3Es, all special operations forces (SOF) configured. To date, four UH-1Ns and two CH-3Es are on station, while the remaining aircraft have been identified by tail number. The two remaining CH-3Es will be obtained from the Military Aircraft Storage and Disposition Center (MASDC), ~~and will require extensive modification before they become mission ready~~ restore two CH-3Es to MAC as passenger aircraft. The remaining UH-1Ns are SOF identified assets.

Various items of specialized equipment are authorized for the unit's primary and corollary missions. The more significant individual items include:

a. The XM-93 Subsystem, which consists of 7.62 mm electrical gattling guns, capable of firing 4000rounds per minute.

b. The M-23 Subsystem, which includes 7.62 mm gas operated machine guns, capable of firing 550 rounds per minute.

c. The 2.75 inch Folding Fin Aircraft Rocket (FFAR), which is normally configured with a nine pound warhead.

d. The UH-1N Loudspeaker System, designed primarily for psychological operations, can broadcast taped or live sound over a two mile radius.

e. The 3090-3 Spray System, a self contained, windmill operated aerial spray system with a capacity of 200 gallons.

CHRONOLOGY OF SIGNIFICANT EVENTS

1 July	Winsley E. Felix, Life Support Technician, becomes the first Green Hornet to achieve the new Senior Airman rank.
2 July	The unit gains UH-1Ns 641 and 653 from Homestead AFB, FL. Aircraft were flight ferried by Squadron aircrews.
5 July	CH-3E 811 arrives from Elmendorf AFB, ALS, the first of four programmed heavy-lift assets.
12 July	CH-3E 290 is gained from McClellan AFB, CA, after being flight ferried by 20 SOS crewmembers.
19 July	Lt Col Mayo on TDY to MacDill AFB, FL, to attend the Unconventional Warfare Conference.
21 July	Lt Col Spencer returns from Nellis AFB, NV, after attending the TAC Fighter conference on tactics.
	The Squadron conducts a distinguished visitor flight in support of MGen Gabriel, TAC/DO.
8 August	MSgt Burns departs TDY to attend the Senior NCO Academy at Gunter AFS, ALA.
16 August	SSgts Wells and Schutte (Ops specialists) depart TDY in support of exercise Brave Shield XIV.
1 September	James W. Burns is promoted to Senior Master Sergeant, and becomes the first of the new Green Hornets to achieve this rank.
11 September	The unit stands by with one CH-3E and UH-1N in static display for Gen Lombana Cuervo (Colombia).
26 September	Capt Robert D. Blough, Jr. (Stan/Eval officer, CH-3E) leaves TDY to attend Squadron Officer School at Maxwell AFB, ALA.
28 September	The Squadron receives "hands on" training in loading UH-1N aircraft into the C-5A Galaxy, in anticipation of future deployments.
30 September	The first four Green Hornet UH-1N combat ready crews are prepared for Mobility processing. Four crews are significant, as they constitute a deployable "package."

HIGHLIGHTS OF ROUTINE OPERATIONS

Like the many sided aspects of the squadron's mission, the significant events of this quarter's operations have been diverse and varied.

Self help projects continued to receive emphasis. Although plans to rennovate the briefing room were delayed because of lack of material, the Life Support section did complete the manufacture and mounting of equipment racks on 24 Sep. These racks, designed to hold helmets, survival vests and life preservers, are personalized for individual crewmembers.

Also important for Life Support was 5 Sep, the date the section began pouring molds for the new, custom fitted leather-lined helmets. The helmets are designed to provide maximum noise attenuation. The efforts with the helmets continued even with providing manning assistance (SSgt Pass) to the 16 SOS from 23 Aug through 24 Sep.

The Tactics function continued its fast paced activity. Capt Weikel presented four separate briefings on helicopter employment to the Unconventional Warfare classes at USAF SOS. Phase II tactics training was implemented for Phase II aircrews, and inputs were made to 9 AF in order to update intelligence training and make it more special operations oriented. Tactical checklists (i.e., target information) were devised and partially field tested, in anticipation of future exercises and deployments. The Squadron even contacted other Major Commands (MAC) and Services (USN) in order to coordinate on matters pertaining to body armor, gas masks, and shipboard operations.

An Operations milestone was the smooth Mobility processing of the first four combat ready aircrews (UH-1N), which occurred on 1 Oct, though the crewmembers were prepared several days beforehand. Additionally, Squadron supplements to TAC 55 series manuals were finalized and coordinated, as were two proposed low level navigation training routes. The Stan/Eval section submitted several suggestions (on AF Form 1000) to request better equipment, to include the STABO rig (for aerial extraction of ground personnel) and multi-purpose bar (for anchoring STABO, rope ladder, or rapelling equipment).

Aircrew M-60 machine gun training was approved for use by other Eglin tenants; in fact, a proposed Resources Conservation (Recon) submitted to conduct this training in-house vice TDY should save $180,000 over a three year period. Another proposed Recon, submitted to use the LUU-2A/B flare in place of the M8A1 currently proscribed, could save an additional $100,000 over one year.

For the XM-93 Subsystem (the 7,62 minigun), efforts continued to obtain a rounds counter (to indicate expended ammunition), and an aircraft intercom connect switch on the gun's pistol grip. A material analysis was also conducted on the system in order to ascertain the points of material failure.

SPECIAL ACHIEVEMENTS

The following personnel were decorated during this period for previous accomplishments:

Individual	Award	Individual	Award
Maj Dwight A. Haworth	AFCM	Maj Jerome L. Gudvangen	AFCM
Capt Charles R. Merriott	MSM, JSCM	Capt David I. Tidd	Air Medal
Capt Carl P. Moore	AFCM	TSgt Richard L. Mustered	AFCM
Capt John V.S. Fireoour	MSM	SSgt Jerry L. Schutte	AFCM

The following personnel completed NCO Leadership School:

Sgt David M. Rech — Sgt Ronald D. Magil

The following individuals completed the Senior NCO Academy:

SMSgt James W. Burns — MSgt Alfred A. VanPool (corres)

The following personnel completed Squadron Officer School:

Capt Robert D. Blough, Jr. (attending)
SMSgt James W. Burns (corres)

The following individuals completed USAF SOS Psychological Operations:

1Lt Joseph J. Pounder, III — Capt John H. Schramm

The following personnel completed USAF AGOS Combat Operations Specialist Course:

Capt Richard J. Hlavaty
Capt John H. Schramm — 1Lt Kenneth H. Charfauros

The following individuals completed base Aircrew Instructor Training:

TSgt Samuel C. Adams — TSgt William N. Dunbar
TSgt Benjamin J. Marshall — SSgt Robert W. Hall

The unit won the 1 SOW Commander's Safety Award for accident prevention for the Apr through Jun quarter. The award was for units in the less than 1,000 mile category.

The Squadron also received two other significant recognitions: the base OJT Award for the Apr through Jun quarter, and a US Savings Bond Award for personnel participation.

SPECIAL PROBLEMS

The lack of sufficient SOF identified aircraft, though somewhat attenuated at the end of this period, continued to be a major consideration. Of the six UH-1Ns authorized, only four were on station, and of the four CH-3Es programmed, only two were gained. Additionally, the Squadron's ability to conduct its war time mission (and hence its capability to exercise on Operational Readiness Inspections) was degraded due to several limiting factors. Significant was unit Mobility: though alert and recall procedures could be performed, mission necessary equipment and certain computer products were unavailable or unsatisfactory.

The unit's capability to employ has been constricted by the shortage of Phase II qualified aircrew instructors. More significant, should the squadron deploy its mission ready instructors, homestation training could slow to a standstill.

Aircraft scheduling reliability, though improving, has constrained some urgently needed training. Aircraft 290 (CH-3E) has been generally unavailable because of engine problems. Also, the requirement to have two UH-1Ns for most gunnery missions, coupled with the uncertainty of having them properly configured and operational during the previously requested range times, has made for some scheduling problems.

However, in spite of these difficulties, the Squadron continues to strive toward complete mission readiness, with the idea that safety is paramount.

SPECIAL INTEREST ITEMS

The following is a summary of sorties and hours flown by the Squadron in category format

Month	Category	Sorties	Hours
July	T-3	47	103.5
	O-8	15	1..4
	A-4	17	10.4
August	T-3	97	15..8
	O-8	26	1..1
September	T-3	110	169.0
	O-8	21	8.4

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HISTORICAL REPORT

TWENTIETH SPECIAL OPERATIONS SQUADRON

1 Oct 76 - 31 Dec 76

LT COLONEL ROBERT E. MAYO
Commander

MISSION STATEMENT

The primary mission of the 20th Special Operations Squadron can be compared to an encyclopedia of special operations. The squadron is tasked to conduct day or night infiltration, day or night gunnery, and reenforcement and resupply into hostile or enemy controlled territory. These operations include the use of airland and airdrop techniques, and entail land or water overflight. Another primary mission is the conduct of psychological operations which include speaker broadcasts and the aerial dispensing of leaflets.

Corollary missions give the squadron flexibility and varied capabilities for which special operations units are noted. These missions include:

a. Recovery of personnel which includes escape and evasion operations and combat search and rescue (SAR). In forward operating locations (FOL) where ARRS forces are not readily available SAR efforts would include all major rescue techniques such as search and location of survivor, recovery using hoist or STABO rig, minimal first aid, and transportation to the nearest medical facility.

b. Helicopter shipboard operations (joint service).

c. Medical evacuation of injured personnel.

d. Humanitarian and civic action programs.

e. Limited photo reconnaissance, by handheld or modularly installed camera systems.

f. Other missions, as directed by higher headquarters.

MANNING

POSITION	AUTHORIZED	ASSIGNED
Commander	1	1
Operations Officer	1	1
Flight Surgeon	1	0
Pilots, UH-1N	18	19

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POSITION		AUTHORIZED	ASSIGNED
Pilots, CH-3E		12	12
Flight Mechanics	UH-1N	9	8
Flight Mechanics	CH-3E	12	10
Weapons Specialist	UH-1N	9	10
Administrative Specialist		3	3
Operations Specialists		3	4
Medical Technicians		3	3
Life Support Technicians		4	4
	Total	76	75

KEY PERSONNEL

POSITION	INDIVIDUAL	EFFECTIVE
Commander	Lt Col Robert E. Mayo	22 Oct 75
Operations Officer	Lt Col Frank E. Spencer	3 Sep 75
Asst Ops Officer, UH-1N	Maj Jerome L. Gudvangen	5 Sep 76
Asst Ops Officer, CH-3E	Maj Dwight A. Haworth	21 Jul 76
Executive Officer	Capt John M. Graham	12 Feb 76
Safety Officer	Capt John H. Schramm	29 Oct 75
A Flight Commander	Capt Frank J. Pelz, Jr.	30 Jul 76
B Flight Commander	Capt Charles R. Merriott	15 Dec 75
C Flight Commander	Capt Carl P. Moore	26 Jan 76
D Flight Commander	Capt Richard J. Hlavaty	23 Jan 76
Stan/Eval Officer	Capt John V.S. Fineour	9 Apr 76
NCOIC, Operations/1st Sgt	MSgt Alfred A. VanPool	7 Nov 75
NCOIC, Flight Mechanics	SMSgt James W. Burns	19 Dec 75
NCOIC, Stan/Eval	MSgt Floyd W. Watson, Jr.	2 Dec 75
NCOIC, Administration	SSgt James H. Wells	16 Dec 75
NCOIC, Life Support	SSgt Lamont C. Pass	28 Sep 76

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STATEMENT OF SPECIALIZED EQUIPMENT

The squadron's aircraft equipage, as authorized by Air Force Programming Documents, includes six UH-1Ns and four CH-3Es all special operations forces (SOF) configured. To date, five UH-1Ns and 3 ch-3Es are on station, while the remaining aircraft have been identified by tail number.

Various items of specialized equipment are authorized for the unit's primary and corallary mission. This equipment includes:

a. The XM-93 Subsystem, which consists of 7.62MM electrical gattling guns, capable of firing 4000 rounds per minute.

b. The M-2 system, which includes 7.62MM gas operated machine guns, capable of firi 0 rounds per minute.

c. The 2.7 ch Folding Fin Aircraft Rocket (FFAR), which is normally configured with ne pound warhead.

d. The UH-1 Loudspeaker System, designed primarily for psychological operations, can broadcast taped or live sound over a two mile radius.

e. The 3090-3 Spray System, a self contained, windmill operated aerial spray system with a capacity of 200 gallons.

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CHRONOLOGY OF SIGNIFICANT EVENTS

1 Oct 76 — SMSgt James W. Burns to Guner AFS, AL to attend the Senior NCO Academy.

Capt Robert D. Blough TDY to Maxwell AFB, AL to attend Squadron Officers School

11 Oct 76 — Capt Richard J. Sartini, 1Lt Peter R. O'Day, and SSgt James T. Carter TDY to Andrews AFB, Wash DC to ferry 69-6604 to Hurlburt Field,FL.

12 Oct 76 — UH-1N and CH-3E crew participate in Brave Shield SV. Capt Frank Pelz and 1Lt Dave Greer participate in Brave Shield SV as operation staff officers. SSgt Sokolik was also an operation staff DM

27 Oct 76 — Capt Weikel and Rodway TDY to Wright-Patterson AFB to attend AN IRCM and ECM conference.

1 Nov 76 — John J. Reardon Life Support NCOIC was promoted to SMSgt.

TSgt William H. Bradshaw TDY to Homestead AFB, FL to attend water survival school.

Sgts Donald E. Griffin and Ronald D. Magill TDY to Fairchild AFB, Was-ington to attend Basic Survival School.

4 Oct 76 — Peter R. O'Day promoted to Captain.

11 Nov 76 — Lt Col Robert E. Mayo TDY to Langley AFB, VA to attend the TAC Squadron Officers School.

12 Nov 76 — SSgt James T. Carter to Fairchild AFB, WA to attend Basic Survival School.

Squadron aircrew members attend 9AF briefing Signal Intelligence (Sigent).

18 Nov 76 — Capt Hlavaty and Sartini and Sgt Hilson flew BGen Bond to range 70.

20 Nov 76 — Capt John Graham, 1Lt Joe Vallimont and Sgt Jose Tavarez represented the 1 SOW at the William Tell 76 open house at Tyndall AFB, FL by providing a UH-1N gunship for static display.

10 Dec 76 — Sgts Paul Cartter and Rodney Hilson to Fairchild AFB, WA, to attend Basic Survival School.

20 SOS participates with Army Special Forces in night infils. Vectoring to LZs were given by 16 SOS aircraft.

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13 Dec 76	Three UH-1Ns made "first light" infils of 21 Army Special Forces troops into Rockhill drop zone.
17 Dec 76	Capt James Grider ferries CH-3E 719 from Patrick AFB, FL. This is the squadron's 3rd CH-3E.

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HIGHLIGHTS OF ROUTINE OPERATIONS

Self-help projects are progressing well. Squadron personnel, headed up by TSgt Lee Brown, constructed two primary briefing rooms complete with chalk boards, range photographs and local area maps. The squadron's duty crew lounge was remodeled to include wall to wall carpeting.

The 20 SOS Standardization Section is heavily involved in various fields of training essential for mission ready status of the squadron. Weapons system training, aircrew procedures checklist and tactical situation simulations have been established. Our Standardization Section has submitted 12 suggestions for recommendations to improve, modify, and/or establish T.O. procedures. Reconservation actions have been submitted with a total savings for the Air Force of over $340,000 over a three year period. Both local supplements to CH-3 and UH-1 55-series manuals were published this quarter. The office has produced three OI's for firearms control and handling. They now justify, order, and moniter munitions for the squadron. WRAMA has requested that the 20 SOS Star Eval evaluate all suggestions dealing with the CH-3/UH-1 weapon systems.

An operational milestone was reached by squadron participation in Brave Shield SV by UH-1N and CH-3E crews. This was the first time the 20 SOS participated in a major exercise. The squadron received another CH-3 (719) which now brings our total assigned aircraft to three CH-3s and five UH-1Ns. Operations has revamped its scheduling process and now projects training for enlisted and officer aircrew members up to three months in advance.

The Weapons and Tactics Officer, Capt Gary Weikel, has pursued previously submitted Required Operational Capabilities (ROC), researched and written a comprehensive ROC envisioning ~~radically~~ new employment concepts based on an entire package of aircraft systems subsystems, avionics and weapons. During this quarter, Capt Weikel visited the User's Conference, Air Force Avionics Laboratory, Wright-Patterson AFB, OH, for the purpose of locating and procuring assistance and hardware necessary for operational viability within electronic warfare environments. This visit was highly successful and follow-up coordination through 1 SOS, 9/F, and TAC key action agencies was accomplished. Previous weapons and tactics efforts toward improved night capabilities were rewarded by de-ir notification on Night Vision Goggles (NVG). Unit combat readiness was aided by approval of a tactics submitted request for a M-79 grenade launcher.

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SPECIAL ACHIEVEMENTS

The following individuals completed USAF SOS Psychological Operations Course:

Maj Dwight Haworth
Maj Jerome Gudvangen
1Lt David Greer
1Lt Kenneth Charfauros

The following individuals completed USAF SOS Foreign Internal Defense Course:

Capt Charles Me[illegible]tt
Capt Carl Moore
Capt George Tot[illegible]
SMSgt Ronald Gr[illegible]
SSgt Lockwood B[illegible]ssard

The following individual completed Base Aircrew Instructor Training:

Capt Carl Moore

The following personnel were decorated during this period:

Individual	Award
Maj Jerome Gudvangen	AFCM
1Lt David Greer	AFCM
Sgt Jose Tavarez	AFCM, Air Medal

The following personnel completed NCO Leadership School:

Sgt Paul Cartter
Sgt James Gray

The Unit won 1 SOW Commander's Safety Award for accident prevention for the 3rd quarter. The award was for units in the less than 1000 mile category.

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SPECIAL PROBLEMS

The lack of special operations configured aircraft continues to be the single most critical problem. This prevents flying training and inhibits ground training necessary to obtain combat ready status. Of six UH-1Ns authorized five are on station; however only four have been SOF configured. Our UH-1Ns need the complete set of special operations Group B equipment to include armament, armor and avionics such as VHF-FM radios, etc. The four CH-3Es authorized have been identified. Three of these aircraft are on station and two are SOF configured. However, supply and maintenance problems have severely hampered our flying schedule. For example only six training sorties were flown in December 1976.

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SPECIAL INTERES[illegible]ITI[illegible]MS

The following is a listing of sorties fl[illegible]wn [illegible]y the 20 SOS by category:

Month	Category	Sorties	Hours
		UH-1N	
Oct 76	O-8	16	6.4
	T-3	63	102.1
	A-4	3	4.5
Nov 76	O-8	36	14.4
	T-3	85	144.5
Dec 76	O-8	33	13.2
	T-3	73	124.1
		CH-3E	
O t 6	O-8	17	15.3
	T-3	29	55.1
	A-4	16	11.2
N v 6	O-8	2	1.4
	T-3	24	45.6
Dec 76	O-8	9	8.1
	T-3	6	7.8

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1st SPECIAL OPERATIONS WING

HURLBURT FIELD, FLORIDA

(EGLIN AF AUX. FLD. #9)

1 OCTOBER-31 DECEMBER 1976

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1st SPECIAL OPERATIONS WING

Hurlburt Field, Florida

1 APRIL-30 JUNE 1976

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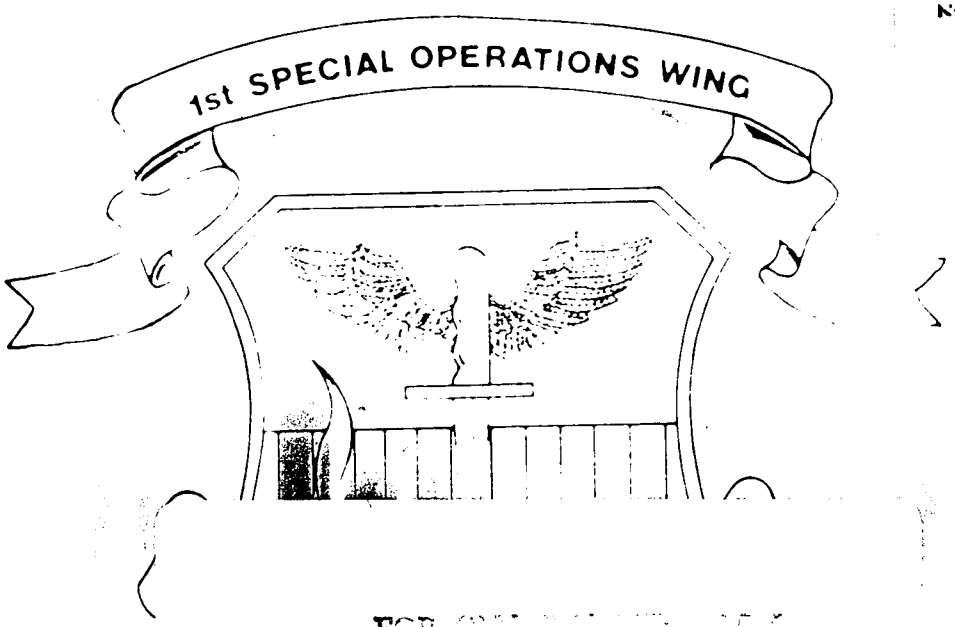
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HISTORY OF THE 1st SOW

1st SPECIAL OPERATIONS WING

HURLBURT FIELD, FLORIDA
(EGLIN AF AUX FLD #9)

1 JANUARY - 31 MARCH 1976

SM-563-75
3

hurlburt hi-lites

Helicopters for Hurlburt; return to 1st SOW July 1



CH-3 "Sea King"

The helicopter-equipped special operations squadron announced in mid-November by the Department of Defense (DoD) as planned for Hurlburt Field has now been officially designated. Wing officials learned this week the new squadron is to be the 20th Special Operations Squadron (SOS).

Although DoD sources earlier indicated the squadron was to be activated by the fall of 1975, plans now call for the rotary-wing unit to begin forming at Hurlburt in the first quarter of calendar year 1976. The 20th SOS is to be equipped with four CH-3 and six UH-1N helicopters.

Activation of the 20th SOS will once more give the Wing, and the Air Force's special operations forces, an active-duty helicopter capability. Many Hurlburtites will recall when the 317th SOS phased down in April of last year.

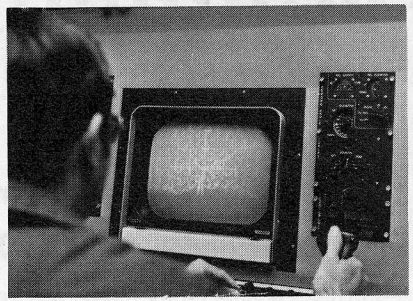
Its UH-1N Twin Huey helicopters were transferred to other Air Force organizations. The unit's CH-3 "Sea King" aircraft were assigned to the 302d Special Operations Squadron of the Air Force Reserve (AFRES) at Luke AFB, Arizona. The 834th TCOMPW is presently the gaining command for the 302d should the AFRES unit be brought to active duty.

In other mission oriented developments this week, the Wing's long-talked-about redesignation was officially announced. In publishing Special Order GA-7, the Tactical Air Command has set July 1 as the date for the Wing's resumption of the name "1st Special Operations Wing."

It was on July 1, 1974, in anticipation of the movement of a C-130 tactical airlift wing to Hurlburt and in connection with the consolidation of all Air Force special operations activities at the base that the Air Force gave the Wing its present designation. With the recent transfer of all C-130 transport aircraft to the Military Airlift Command, it is now appropriate for the Wing to resume the 1SOW designation which is historically associated with special operation forces.

in this issue

3 majors promoted



4 total forces at work AFRES

7 ANG

8 you pick 'em

vol. 14, no. 22 — march 28, 1975



UH-1N "Twin Huey"

SOF HI-LITES

AMERICAN REVOLUTION BICENTENNIAL 1776-1976 ™
An Air Force Bicentennial Installation

Vol. 15, No. 1 | Fort Walton Beach, Fla. | Jan. 9, 1976

1st SOW gains Hornets



PROPOSED EMBLEM — This is the recently proposed emblem or patch of the 20th Special Operations Squadron. It is felt that the old emblem is no longer symbolic of the major mission elements of the unit. The new emblem uses symbols that have developed out of the squadron's combat experience and present mission.

The 1st Special Operations Wing (SOW) gained its third operational squadron Jan. 1, as the 20th Special Operations Squadron (SOS) activated here.

Commanding the 160-person unit is Lt. Col. Robert E. Mayo.

To be equipped with six UH-1N Huey gunship helicopters and four CH-3E Sea King long-range helicopters, the squadron is one of only two helicopter-equipped special operations units in the Air Force, and the only one in the active force.

While its primary mission is to conduct unconventional warfare, the squadron is also capable of taking part in humanitarian, civic action, and rescue and recovery operations.

Known as the Green Hornets, the 20th SOS dates back to July 9, 1956, when Tactical Air Command commissioned the 20th Helicopter Squadron at Sewart AFB, Tenn. The primary missions at that time were airlift support for assult operations and aeromedical evacuation.

The unit supported operations throughout the North American continent with its H-21 helicopters until it was inactivated March 8, 1960.

It was reactivated Oct. 8, 1975, under Pacific Air Forces at Tan Son Nhut Airfield, Republic of Vietnam.

The 20th Helicopter Squadron was redesignated the 20th SOS Aug. 1, 1968, and inactivated at Cam Ranh Bay AB, Republic of Vietnam, in April 1972.

The reactivation of the 20th SOS here at the beginning of our nation's Bicentennial year is symbolized in the unit's proposed emblem by a red, white and blue sash.

The tricolor theme is also representative of the unit's triservice support of joint services unconventional warfare mission and doctrine.

The stylized green hornet pictured on the patch was the symbol use by the unit on aircraft, decals and unofficial patches while in Vietnam.

The seven five-pointed stars have dual significance. First, they represent the seven basic missions of the squadron. Second, the stars represent the seven basic employment principles of war applicable to aerospace operations.

The motto, "Semper Paratus (Always Prepared)," is appropriate to the tactical worldwide conduct of the unit's mission. It has been retained for historical reasons from the squadron's first emblem.