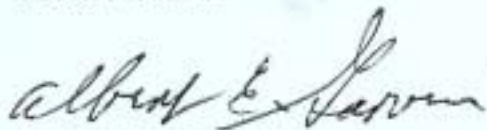


# HISTORY OF THE 244TH RADIO RELAY SQUADRON

1 SEPTEMBER 1966 - 30 JUNE 1967

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OREGON AIR NATIONAL GUARD

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# 1. MISSION AND RESOURCES

1.

2. Mission - Provide point-to-point duplex communication by radio relay systems, through line of sight and/or tropospheric scatter techniques.

1. Peacetime - To provide a trained and equipped unit to assist state authorities in protection of life and property and the preservation of peace and public safety.

2. Mobilization - To provide a trained unit with qualified persons to augment the USAF whenever needed in the event of war, national emergency and at such other times as the national security requires.

## 3. Organization.

1. Past - The 244th AACS E&I Squadron was organized on 7 July 1956 under authority contained in General Order 46, The Adjutant General, Oregon, dated 24 May 1956 as outlined in UMD 1-2221, dated 1 June 1955. The unit was redesignated from 244th AACS E&I Squadron to 244th GEELA Squadron effective 1 January 1959 under authority contained in General Order 24, The Adjutant General, Oregon, dated 20 February 1959.

2. Present - The unit was redesignated and reorganized from 244th GEELA Squadron to 244th Radio Relay Squadron effective 1 October 1960 under authority contained in General Order 63, The Adjutant General, Oregon, dated 23 September 1960. See appendix 2, unit organizational chart.

3. Lt Col Albert E. Garvin, PG437725 has been in Command since organization of the 244th AACS E&I Squadron on 7 July 1956.

## 4. Personnel -

1. Strength:	<u>AUTHORIZED</u>	<u>PROGRAMMED</u>	<u>ASSIGNED</u>
Officers	13	*7	7
Airmen	<u>131</u>	<u>144</u>	<u>147</u>
	191	151	154

\*The position of Medical Officer is authorized in addition to number of officers programmed.

2. Attendance: Average percentage of attendance at Unit Training Assemblies was 97.5%. Field Training was not performed during the period of this report.

3. Air Technicians Authorized and Assigned:

<u>NAME</u>	<u>RANK</u>	<u>TECHNICIAN POSITION</u>	<u>UNIT POSITION</u>	<u>PAFSC</u>	<u>DAFSC</u>
Bulletset, L.A.	Capt	Comm Unit Supv	Pers Off	7324	7324
Masic, T.L.	MSgt	Admin Supv	Pers Supv	73291	73291
(Not Filled)		Admin Spec1			
Doering, R.A.	TSgt	Pers Tech	Pers Tech	73270	73270
Kirkham, R.S.	SM Sgt	Educ Tech	Ed & Trng Supv	75190	75190
Butts, L.E.	TSgt	Rad Maint Tech-Gnd	Rad Rel Eq Tech	30470	30470
DeMers, R.F.	SSgt	Rad Maint Tech-Gnd	Rad Rel Eq Tech	30450	30470
(Not Filled)		Rad Mech-Gnd			
Mitchell, B.J.	CMSgt	Sr Rad Maint Tech-Gnd	Gnd Rad Maint Supt	30490	30490
Dragowsky, R.W.	SM Sgt	Mat Cont Tech	Inv Mgmt Supt	64590	64590
(Not Filled)		Comm Ops Tech			
Mill, R.S.	MSgt	Mtr Veh/Gnd Eq Spcl	Elec Pwr Prod Tech	54370	54370
Hack, J.W.	TSgt	Mtr Veh/Gnd Eq Spcl	Elec Pwr Prod Tech	42173	54370
Luft, A.W.	MSgt	Mtr Veh/Gnd Eq Tech	Mtr Veh Maint Tech	47170	47170

4. Number of enlistments and discharges for period of this report:

Enlistments: Prior Service: 7  
Non-Prior Service: 15

Discharged: 20

5. Major Equipment -

<u>NOMENCLATURE</u>	<u>AUTHORIZED</u>	<u>ON HAND</u>
Tropospheric Scatter Gear AN/TRC-97A	2	0
Radio Relay Terminal sets, AN/TRC-61	5	5
Radio Relay sets, AN/TRC-36	10	10

			3.
2½ ton 6X6 truck	15	15	
½ ton 4X4 6-passenger pickup	15	0	
Substitute: ½ ton 4X2 6-pass pickup	0	2	
Econoline pickup	0	4	
Station Wagon	1	1	
Wrecker	1	0	
Snow Cat	1	0	
M-109 Shop Van	1	0	
Trailer, tank, gas, 600 gal cap.	2	2	
Trailer, tank, water, 400 gal cap.	2	2	
Trailer, cargo, 1½ ton	15	15	
EMJ-10 generator	30	6	
Substitute: PU-286/U, 5KW generator	0	30	
GGC-10AC, 10 KW generator	0	2	
Heater, 400,000 BTU H-1, trailer mounted	12	11	

#### E. Facilities -

1. The unit headquarters and administrative and personnel activities located in Bldg T-1217, Portland International Airport, Oregon.
2. The communications and materiel control activities are located in Bldg P-1333, PIA, Ore.
3. The motor vehicle and ground power activities and associated equipment are located in the Oregon Air National Guard Motor Pool, PIA, Ore.
4. The Medical section jointly utilized the 142d USAF Dispensary (OreANG) facilities, PIA, Ore.
5. The Food Service Section jointly utilizes the OreANG Dining Hall, PIA, Ore.

## II. OPERATIONS AND TRAINING

A. Operational Readiness - compiled from Operational Readiness Reports 4.

RCM 1-ANG-VI. Authority: ANGCM 178-1.

<u>QUARTER ENDING</u>	<u>COMMANDERS ESTIMATE OF OVER-ALL UNIT READINESS</u>	<u>COMMANDERS FORECAST OF OVER-ALL UNIT READINESS</u>			<u>MOVILITY EQUIPMENT</u>
		<u>PERSONNEL</u>	<u>PERSONNEL</u>	<u>PERSONNEL</u>	
30 Sep 66	7	7/7/7	7/59.3%		9/9
31 Dec 66	7	7/7/7	8/61.4%		9/9
31 Mar 67	8	8/8/8	8/63.3%		9/9
30 Jun 67	8	8/8/8	8/63.7%		9/9

B. Training Program -

1. Skill Knowledge Testing (1 Sep 66 - 30 Jun 67):

<u>SKT LEVEL</u>	<u>QUALIFIED</u>	<u>UNQUALIFIED</u>	<u>PERCENTAGE QUALIFIED</u>
3	*8	0	100%
5	21	10	67.7%
7	<u>3</u> 32	<u>1</u> 11	<u>75%</u> 74.4%

\* Three (3) "3" levels received maximum scores of 95 percentile.

2. This unit received from the National Guard Bureau the On-The-Job Training Unit Achievement Award for calendar year 1966. Also received the award for calendar year 1965.

3. Student flow through training schools (1 Sep 66 - 30 Jun 67):

<u>COURSE</u>	<u>NO.</u>	<u>OUTSTANDING GRADUATES</u>
Basic Only 00010	4	-
QBR 3031	1	-
ABE 30430 (split phase)	23	2
AZR 30450-5	1	-
ATS 42150-2	1	-
ABR 47131	2	-
ABR 54330	3	1

ABR 62230	2	1
ABR 73230	1	1
Survival Tag/Self-Defense School	<u>1</u>	<u>2</u>
TOTAL	3	5

4. CDC and ECI courses completed:

<u>COURSE</u>	<u>NO.</u>
ECI 0006	9
ECI 7521A	2
CDC 10000	3
CDC 50000	11
CDC 30001	3
CDC 30450	22
CDC 30470	1
CDC 47000	1
CDC 47151	3
CDC 54200	1
CDC 62200	4
CDC 62250	4
CDC 64550	2
CDC 70250	3
CDC 75150	1
CDC 75370	<u>1</u>
TOTAL	71

5. Special Training Exercises:

1. During the period of this report this unit did not participate in Field Training, however considerable effort and time was expended toward Joint exercise "KITTYHAWK" which was cancelled in June 1967. Pre-planning meetings were attended by officers of this unit at McDill AFB, Florida, Ft McPherson, Ga, and Seymour-Johnson AFB, N.C. A total of 33 man days of active duty were

6.  
utilized. Also unit technicians with assistance from the 142nd Comm Sq devoted an unknown number of manhours toward transformation of radio relay vans to terminals. Even though JTA "HITTYHAWK" was cancelled considerable knowledge and experience was gained and particularly an understanding of other Military Services problems and capabilities in communications.

2. 244th Radio Relay Squadron Communications-Electronics relay systems exercises during unit training assemblies from home station to designated radio relay and terminal locations. Purpose is to attain and maintain an optimum effective radio relay capability to carry out roles and tasks assigned in gaining command plans for utilization in national emergency or local disaster. The following are exercises performed:

a. Exercise on October 1966 unit training assembly weekend. At the request of the AF Advisor's office the unit, on a surprise training exercise, designed an exercise to test the proficiency of maintenance personnel. The unit was ordered to establish an FM system from PIA to Camp Withycombe and were restricted to the use of assistant team chiefs only on each of the three teams used. The circuit was in and operating at 1400 hrs Saturday and by 1600 hrs all teams had returned to PIA.

b. Exercise on December 1966 unit training assembly weekend. An overnight field operation using four relay teams was performed by the communications section. The purpose of the operation was to train relay personnel on limited use of carrier equipment and procedures for coordination with Tech Control Office. Operation was supported by 142nd Comm Sq tributary equipment located at terminal sites.

c. Exercise on March 1967 unit training assembly weekend. Eight relay teams functioning as minor terminals were sent out on an operation. Purpose was to train radio relay team personnel in the use of terminal equipment by connecting up commercial teletype circuits through the use of isolation relays which enabled



these circuits to become compatible to our system. The system was established between Camp Bonneville, Wa, PIA, and Camp Withycombe.

d. Exercise on April 1967 unit training assembly weekend. Same exercise locations as in March 1967. The purpose of the operation was for proficiency training and coordination of circuit quality through 142nd Comm Sq (RC) Channel Tech Control.

### III. MAINTENANCE AND SUPPLY

A. The annual maintenance for communications was scheduled as of 1 Jan and all overhaul actions were doubled up so that the yearly maintenance could be completed by 1 Jun, so that all effort in the maintenance area be directed toward "OPERATION KITTYHAWK" buildup which had to be completed by 17 Jul (target date for shipment of equipment to N.C.). "KITTYHAWK" called for 12 terminals and 3 relays to be furnished by this organization, which meant that 7 more terminals had to be built up. Multiplex equipment for four terminals was borrowed from the 142nd Comm Sqdn along with most of the material to start to work on this project. The 142nd also lent us 16 man days of labor to start off the build up rewiring patch panels in the old terminal equipment and prefabricating equipment to make terminals out of relays. By 20 Jun the buildup for "KITTYHAWK" was completed, all that was left to do was to check out the communications equipment - in all 200 man days were expended to complete the job. Operation "KITTYHAWK" was called off 20 June. All the communications equipment built up for that operation was dismantled and returned.

B. The following organizational equipment have been painted lusterless O.D: 12 of 15 generator trailers, 8 of 11 M-Series trucks, and 13 of 15 radio relay vans.

C. The following equipment were received during this reporting period:

1 - Snowcat

1 - Wrecker

11 - Trailer mounted 400,000 BTU R-1 Heaters.

1 - 600 gallon fuel trailer.

1 - 1967 Chevrolet Station Wagon.

#### IV. SPECIAL PROBLEMS

##### A. Summer Field Training -

1. Even though Summer Field Training was not performed during the period of this report this unit experienced planning for three different exercises which were to be held on contrasting or overlapping dates. This presented last minute problems to employers trying to arrange vacation schedules as well as the unit having to prepare for dissimilar exercises.

##### B. Major Equipment Problems -

1. Motor Vehicles. This unit still has a need for more support vehicles to adequately sustain an operation in the field. Borrowed vehicles has relieved this problem to some extent but are sometimes not available when needed on short notice or for extended periods of time. 15-Six passenger 4X4 vehicles are authorized but as yet no delivery date has been established.

2. Ground Power Generators. The EMU-10's are erratic when used on a periodic basis. The problems encountered are not associated with any one particular phase of the generator. At present two (2) of these generators are inoperative and as yet trouble shooting has not determined the breakdown.

C. Facilities. The facilities utilized by this squadron are considered inadequate for proper functioning of the squadron. However, it is hoped that in the near future this problem will be lessened or eliminated.

D. Medical. This unit has attempted for nearly two years to obtain a doctor. A preview and grade determination was sent in on a doctor which was approved but in the rank of Major. He could not be commissioned because of the freeze. The doctor was willing to join the unit as a Captain but a Guard Bureau representative said no. The unit has attempted through all known channels to procure a doctor

but no other one has shown an interest. Without a doctor on the two communications units UTA weekends a major problem has existed not only in utilization of facilities and training of personnel but also in keeping up to date on annual physicals, periodic physicals, and immunizations. It is hoped that the freeze on field grade officers will be lifted so that the previously approved doctor can be commissioned.

#### V. MISCELLANEOUS

A. Awards received in addition to those already mentioned in this report.

1. SSgt George L. Coulsey was named the Unit Outstanding Airman for CY 1966.

2. SSgt Arthur L. Willard was presented the Command Bronze Excellence-In-Competition Rifleman Badge for recognition of his marksmanship achievement in CY 1966.

B. Social Functions - On 21 April 1967 the NCO's of this unit held their 3rd Annual Dining-In with the officers as guests. Invited guests present were The State Adjutant General, Maj General Donald M. Anderson; The Assistant Adjutant General for Air, Brigadier General Staryl C. Austin Jr; Chief of Staff for Air, Brigadier General Gordon L. Doolittle; Commander, 252nd Communications Group (Mobile), Colonel Ray R. Wilson; The Adjutant General's Aide, Maj Lee Anderson. This event was attended by 58 officers and airmen and was held at Ford's Restaurant in Portland, Oregon.

C. Commissions: 1st Lt Gene A. Katke and 2nd Lt Douglas E. Goranson were commissioned from NCO grades during this reporting period. Both officers have the distinction of being named the outstanding Oregon Air National Guardsman for preceding calendar years.

AACS E&I	Airways and Air Communications Service Engineering and Installations.
AFCS	Air Force Communications Service.
AN/TRC-8	230-250 megacycle FM relay equipment, low power (obsolete)
AN/TRC-36	FM Radio Relay Sets designed to provide multichannel communications from point-to-point. Approximately 30-50 mile separation.
AN/TRC-61	FM Radio Relay Terminal sets designed to provide terminal facilities for radio relay systems.
AN/TRC 97A	Tropospheric Scatter Radio set designed to provide multichannel telephone and telegraph communications without the use of relays.
ARF	Air Reserve Force
CDC	Career Development Course
EGW-10	10 kilowatt ground power generator designed to provide power to operate radio equipment and associated facilities.
FM system	Very high frequency/ultra high frequency (VHF/UHF) radio relay system. Operating from 200-400 megacycle region of radio frequency spectrum. Requires line-of-sight operation.
GESEA	Ground Electronics Engineering Installation Agency
GGG-10AC	10 kilowatt ground power generator designed to provide power to operate radio equipment and associated facilities.
HF	High frequency.
Multiplex	Mixing of several voice and teletype channels over a common wire or system and demultiplex at far terminal end.
PG-200/U	5 kilowatt ground power generator designed to provide power to operate radio equipment and associated facilities.
RC	Relay Center. Communications switching center.
SNT	Skill Knowledge test.
Trdb	High frequency medium and long haul communications system.

ROSTER OF KEY PERSONNEL

<u>GRADE</u>	<u>NAME</u>	<u>SERIAL NO.</u>	<u>PAFSC</u>	<u>UNIT POSITION</u>
Lt Col	Albert M. Garvin	FG437725	3015	Commander, 3015
Major	Benjamin W. Faber	FG2229081	3034	Supply Officer, 6421
Major	Richard G. Hoyt	FG1852738	3015	CEM Staff Officer, 3015
Capt	Louis A. Bullock Jr.	FG3139607	7324	Pers Officer, 7324
Capt	James G. Miller	FG3127841	3034	Comm Officer, 3034
Capt	Donald E. Moore	FR76205	3034	AF Advisor
1st Lt	Gene A. Rakte	FG3179480	3031	Comm Officer, 3031
2nd Lt	Douglas E. Gorneson	FG3173465	3031	Comm Officer, 3031
CMSgt	Ronald H. Dixon	AF23567191	30490	Gnd Radio Comm Supt, 30490
CMSgt	Bob J. Mitchell	AF19015584	30490	Gnd Radio Comm Supt, 30490
SMsgt	Raymond W. Dragowsky	AF28789885	64590	Inv Mgmt Supt, 64590
SMsgt	Roy G. Kirkham	AF28772845	75190	Educ & Tng Supv, 75190
SMsgt	Ralph L. Nesick	AF19537143	30490	Gnd Radio Comm Supt, 30490
MSgt	Joseph P. Hellberg	AF18047920	01090	1st Sgt, 01090
MSgt	Arthur W. Luft	AF23779528	47170	Veh Maint Tech, 47170
MSgt	Tom L. Hasic	AF28788690	73291	Pers Supt, 73291
MSgt	Richard S. Mill	AF28790707	54370	Elec Pwr Prod Tech, 54370
MSgt	Lewis M. Storen	AF18254899	30470	AF Tech Advisor

ORGANIZATIONAL CHART  
244TH RADIO RELAY SQUADRON

