



Motor Pool Messenger

NORTH JERSEY CHAPTER INC.

MILITARY VEHICLE COLLECTOR'S CLUB

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Holiday Season, 1981

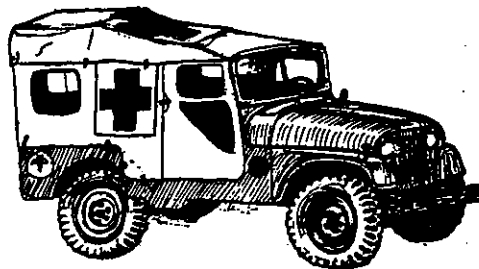
Editors : Harry & Marilyn Rimmer

FROM THE DRIVERS SEAT: As this is the last time I will write my comments here as President of the N.J.C., I feel a little reflection on the past year is called for. It was an interesting year to say the least. Our chapter has served as a miniture example of all the challenges that face the MVCC as a whole. We have seen that if the local chapter does not do its best to see that each and every member is involved in both chapter activities and the running of the chapter, the interest in the chapter and the club as a whole diminishes. We have also seen that if the club publications do not go out, and on time, the membership begins to lose interest, especially in those areas where members cannot attend the regular meetings with any frequency, if at all. A side note I personally have learned is that the best way to keep the average member interested is to promote your own chapter activities and not to concentrate on inter-chapter activities. And I found that the one sure way to get everyone on the East Coast mad at you is to try to coordinate all of the inter-chapter activities so that none of them conflict. One good thing we have learned is that if you keep the regular meeting program varied and interesting, a good percent of the membership will regularly attend. It hasn't been the best year, not even one of the better ones, but we have seen our chapter membership stabilize, and with some more hard work by our new officers, committee chairmen, and members, it may begin to grow again.

I would like to thank the officers and committee chairmen who have supported my efforts on the chapters behalf. Your cooperation, endurance, and encouragement were very much appreciated, especially when all many could do was criticize. I would especially like to commend all those who continue to serve in elected or appointed positions even after all I put you through. Yours is the triumph of hope over experience. Thanks guys.

I leave this position now, in the capable hands of Jules Feledey. And I present him with an awesome challenge. Probably the most difficult thing you will have to do in your tenure as N.J.C. President is to think of something interesting to write in this damn section every month!

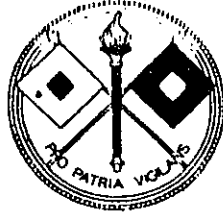
- Harry E. Rimmer



CALENDAR OF EVENTS

Monday	Dec. 14	N.J.C. Chapter Meeting	Florham Park, N.J.
Monday	Jan. 11	N.J.C. Chapter Meeting	Florham Park, N.J.
Saturday	Jan. 16	N.J.C. Night at the U.S.O.	Whippany, N.J.
Thurs.-Sun.	July 23-25	MVCC International Rally	Kansas City, Mo.

FROM CALIFORNIA CHAPTER'S
"M.V. COLLECTOR NEWSLETTER"



SIGNAL SECTION

...Lee D. Hutchins KA6IRL

Due to the interest a number of members have shown over the past several weeks this article will discuss and review some of the radio systems that overlap or link into other service areas. An interesting combination is shown in Figure 1. Assume a forward spotter for an artillery unit transmits on a PRC-9 back to his HQ on perhaps 27.100 Mhz. The HQ receives and retransmits by way of a VRC-14 (RT67) to the control box (GRA-6) or (AM-65) by wire into an AN/VRC-24 which then transceives on a frequency from 225 to 400 Mhz to support aircraft. Therefore, one man on the field with his back pack radio (PRC-9) can bring all manner of long range support activity to bear. This same technique can be applied to those poor devils in the infantry. As an example, an artillery unit can transmit using a GRC-6 with an RT-70 in combination. A message received from an armor unit perhaps a BC-620, WWII vintage unit, transmitting to a Korean RT-70 retransmitted to a PRC-10 or even a Viet Nam area PRR-9 (this unit fits on the side of a helmet) indicates that these units all intra-relate and are mutually compatible within the frequency spectrums upon which they were designed to transmit. These relationships seem more than a little complex but when you sit down with the frequency allocation charts that the military had used during WWII, and continue to use, the whole relationship is very interesting to ponder.

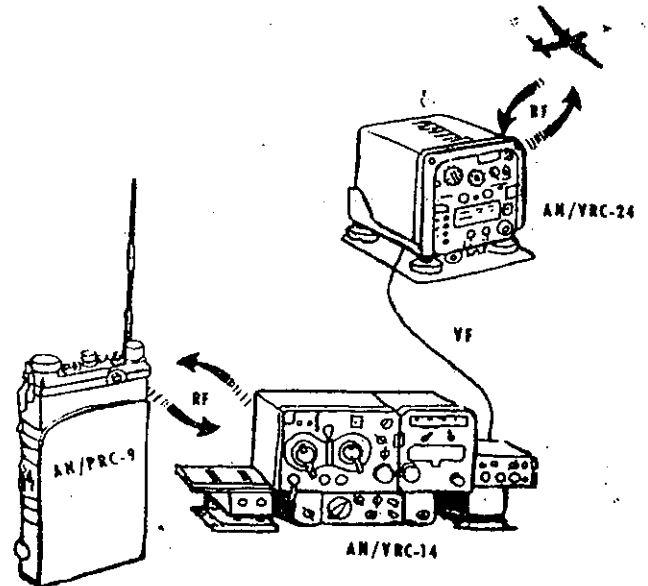


Figure 1.

SIGNAL SECTION, PART II

During the war years the various services found they had profound problems describing the various systems and components of all sorts of equipment. The communications branches were not immune to this problem. Therefore, a system of nomenclature designators was developed that many of us are at least acquainted with. The familiar JAN or "Joint Army Navy" numbering and designating system evolved to resolve at least the description of units, assemblies, parts, etc., that were common to all services. The following page is a verbatim copy of a chart found in standard Navy training manuals for beginners in electronics.

The alphabet soup game in the previous article can be unscrambled by using this JAN chart and for fun try this little gem on for openers---a device called a CBB has been recently contemplated by some situated in low places in the military.

JOINT ELECTRONICS TYPE DESIGNATION (AN) SYSTEM

The AN nomenclature was designed so that a common designation could be used for Army, Navy, and Air Force equipment. The system indicator AN does not mean that the Army, Navy, and Air Force use the equipment, but means that the type number was assigned in the AN system.

AN nomenclature is assigned to complete sets of equipment and major components of military design; groups of articles of either commercial or military design which are grouped for military purposes; major articles of military design which are not part of or used with a set; and commercial articles when nomenclature will not facilitate military identification and/or procedures.

AN nomenclature is not assigned to articles cataloged commercially except as stated above; minor components of military design for which other adequate means of identification are available; small parts such as capacitors and resistors; and articles having other adequate identification in Joint military specifications. Nomenclature assignments remain unchanged regardless of later changes in installation and/or application.

<u>INSTALLATION</u>	<u>TYPE OF EQUIPMENT</u>	<u>PURPOSE</u>
A--Airborne (installed and operated in aircraft).	A--Invisible light, heat radiation.	A--Auxiliary assemblies (not complete operating sets used with or part of two or more sets or sets series).
B--Underwater mobile, submarine.	B--Pigeon	B--Bombing
C--Air transportable (inactivated, do not use).	C--Carrier	C--Communications (Receiving and transmitting).
D--Pilotless carrier	D--Radic	D--Direction finder, reconnaissance, and/or surveillance.
F--Fixed	E--Nupac	E--Ejection and/or release.
G--Ground, General Ground use (includes two or more ground-type installations).	F--Photographic	G--Fire-control or searchlight directing.
K--Amphibious	G--Telegraph or Teletype	H--Recording and/or reproducing (graphic meteorological and sound).
M--Ground, mobile (installed as operating unit in a vehicle which has no function other than transporting the equipment).	I--Interphone and Public Address	K--Computing
P--Pack or Portable (animal or man).	J--Electromechanical or inertial wire covered.	L--Searchlight control (inactivated, use G).
S--Water surface craft.	K--Telemetering	M--Maintenance and test assemblies (including tools)
T--Ground, transportable.	L--Countermeasures	N--Navigational Aids (including altimeters, beacons, compasses, racons, depth sounding, approach and landing).
U--General Utility (includes two or more general installation classes, airborne, shipboard, and ground).	M--Meteorological	P--Reproducing (inactivated, do not use).
V--Ground, Vehicular (installed in vehicle designed for functions other than carrying electronic equipment, etc., such as tanks).	N--Sound in air	Q--Special, or combination of purposes.
W--Water surface and underwater.	P--Radar	R--Receiving, passive detecting.
	Q--Sonar and underwater sound.	S--Detecting and/or range and bearing, search.
	R--Radio	T--Transmitting
	S--Special types, magnetic, etc., or combinations of types.	W--Automatic
	T--Telephone (wire).	X--Identification and recognition.
	V--Visual and visible light.	
	W--Armament (peculiar to armament, not otherwise covered).	
	X--Facsimile or television	
	Y--Data Processing.	

Examples of use of AN systems:

- APN-9 translates Airborne, Radar, Navigation
- ALT-8 translates Airborne, Countermeasures, Transmitter
- UPM-10 translates Utility, Radar, Test assemblies

CLASSIFIED ADS

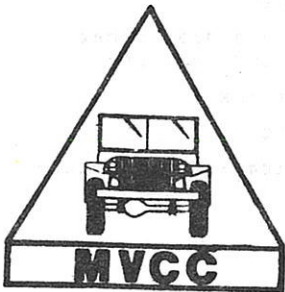
FOR SALE : N.J.C. Paint. 24087 gallons and spray cans. 34087 gallons and spray cans. Marine Corps gallons only. Contact John Marko by phone or by postcard before any N.J.C. meeting or major event and he will arrange for the paint to be brought to that meeting/event. John Marko, Washington Corner Road, R.D.#1, Bernardsville, N.J. 07924. (201) 766-3784.

FOR SALE : Hot Off The Presses! Portrayal Press has in stock copies of the long awaited French authored publication The Jeep by Jeudy. This book, printed in English, has many interesting photographs of MB's , GPW's , and various prototype vehicles. This book is available for a short time only at \$17.95. After the Jan. 11 meeting, the price goes up to its retail price of \$19.95, so get your copy soon! Wives, this would make a great O.D. gift for your often O.D. husbands. Contact Dennis Spence, P.O. Box 1913, Bloomfield, N.J. 07003. (201) 743-1851.

NOTES FROM ALL OVER

N.J.C. Night at the U.S.O. is fast approaching. The Party Committee is getting all the funds together to pay the various expenses for the party. If you have made reservations but have not sent in your money yet, please bring your check to the December meeting or mail it on or before the meeting date. Confirm your reservation today! Requests are starting to come in from other chapters, so don't miss out by losing your reservation. This is an event by the N.J.C. for the N.J.C., so be a part of it.

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First Class