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## SIGNAL CORPS PATENT BOARD

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Meeting No. 39

1. The Board met at 10:00 A.M., September 8, 1942 and again at 10:00 A.M., September 12, 1942, in Room 4D525, Pentagon Building, with the following present:

Colonel Conrad E. Snow, (Legal Branch); (Part time)  
 Colonel R. T. Schlosberg, (Army Pictorial Service); (Part time)  
 Lieutenant Colonel Donald K. Lippincott, (Legal Branch)  
 Lieutenant Colonel W. A. Topping, for Colonel W. V. Parker (Plant Division)  
 Captain Benjamin J. Chromy, for Colonel Tom C. Rives (Radar Division)  
 First Lieutenant S. T. Martin, Jr., for Lieutenant Colonel J. D. O'Connell  
 (General Development Branch)  
 First Lieutenant Charles W. Seager, for Colonel R. T. Schlosberg (Army  
 Pictorial Service); (Part time)

2. Upon motion made and unanimously passed, the Board determined that the policy of the Signal Corps as to patent rights for inventions by Government personnel should be as follows:

a-All personnel of the several Signal Corps laboratories classified as (1) Officer of the Army of the United States or the Army Specialist Corps, and (2) professional or sub-professional employees of the Government be requested to make complete assignment to the United States Government of all rights, title and interest to:

- (1) Any and all inventions conceived on Government time.
- (2) Any and all inventions relating to Signal Corps work or interest conceived at any time during the period of employment by the Government or during active service in the Army.

3. A further purpose of the meeting was to consider the following inventions and to make recommendations for their dispositions:

a-Sweep Magnifier for SCR-270-F by Lt. Maurice E. Byrne,  
 504 Signal (AW) Reg't., Plant Field, Tampa, Fla.

b-Coded Frequencies by Capt. Nathan Krisberg, Radio Officer,  
 Eq. Puerto Rican Dep't., San Juan, Puerto Rico.

c-Detection and Use of Ultra-High Frequency Radiations by  
 Arthur R. Knight, Signal Corps Aircraft Radio Laboratory,  
 Wright Field, Dayton, Ohio.

d-Automatic Control by Russell G. Pelton, OCSigO (Legal Branch)

e-Temperature Compensating Means for Electrical Circuits by  
 Russell A. Berg, Signal Corps General Development Laboratory,  
 Ft. Monmouth, Red Bank, N. J.

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- f-Method of Oscilloscope Synchronization by Lt. Lawrence J. Giacoletto, Signal Corps General Development Laboratory, Ft. Monmouth, Red Bank, N.J.
- g-Plug for Shielded Co-Axial Wire by Amory H. Waite, Signal Corps General Development Laboratory, Ft. Monmouth, Red Bank, N.J.
- h-Emergency Telephone System by Kenneth J. Way, Signal Corps General Development Laboratory, Ft. Monmouth, Red Bank, N.J.
- i-Convoy Beacon by Herman R. Price, Signal Corps General Development Laboratory, Ft. Monmouth, Red Bank, N.J.
- j-Sound Operated Submarine Depth Bomb by Herman R. Price, Signal Corps General Development Laboratory, Ft. Monmouth, Red Bank, N.J.
- k-Aerial Bomb by Mr. Fay E. Null, Signal Corps General Development Laboratory, Ft. Monmouth, Red Bank, N.J.
- l-Remotely Controlled Marine Torpedo by Glen Peterson, Signal Corps General Development Laboratory, Ft. Monmouth, Red Bank, N.J.
- m-Anti-Submarine Device by Jack Tobolowsky, Signal Corps Enlisted Reserve, Dallas, Texas.
- n-Teletype Machine by Norman M. Greene, Tech. 5th Grade, 183rd Signal Repair Co., Camp Crowder, Missouri.
- o-Method of Propagating Hertzian Waves Beyond the Optical Horizon by Carl A. Wiley, Jr., Radio Engineer, Aircraft Radio Laboratory, Wright Field, Dayton, Ohio.
- p-Holder and Viewer for Transparencies by Philip Chalfin, Principle Engineering Aide, Signal Corps General Development Laboratory, Ft. Monmouth, Red Bank, N.J.
- q-Vessel Communication System and Buoy Signal Device by Sgt. Russell J. Reilly, 759th Signal Platoon, Patterson Field, Fairfield, Ohio.
- r-Equipment for Code Instruction by John M. Petty and Thomas M. Morse, Assistant Radio Operating Instructors, Air Corps Technical School, Tulsa, Oklahoma.
- s-Teletalker by Lt. Theodore C. Kahn, Air Corps Materiel Division, Office of Eastern District Sup'r., New York, N.Y.
- t-Wireless Teletype by Sgt. Howard J. Dirlam, 148th Arm'd. Signal Co., 8th Arm'd. Division, Ft. Knox, Ky.

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- u-System for Controlling a Plurality of Electrical Circuits by Pvt. Allen D. Nutter, U. S. Army.
- y-Electronic Equalization of Frequency Bandpass Vacuum Tube Amplifier by Pvt. Laurence E. Orne, U.S. Army.
- w-Electronics in Warfare by Sgt. Harley V. Depew, 332nd Service Squadron, Esler Field, Camp Beauregard, La.
- x-Pulsed Carrier for Continuous Wave Transmission by Julian L. Bernstein, Signal Corps Trainee Repairman, R.C.A., Phila., Pa.
- y-U.H.F. Antenna Masts for Aircraft by David A. Shaefer, Associate Radio Engineer, Dow Field, Bangor, Me.
- z-Automatic Fire of Machine Guns by Vincent Hoffman, Civilian Radio Trainee, 2nd Service Command, New York, N.Y.
- aa-Duplicating Machine Reversing Attachment by Capt. Gordon C. Avery, Washington, D.C.

## 4. The Board finds:

- a-That the inventions described in Paragraphs 3a, 3b, 3c, 3d, 3e, 3f, 3g, and 3h have sufficient military value to warrant prosecution of patent applications by the War Dep't.
- b-That the inventions arose in connection with and as a result of the official duties of the inventors. There was no specific designation to invent the things described in Paragraphs 3a, 3b, 3c, 3d, 3e, 3f, 3g, and 3h.
- c-That the inventors desire to obtain patents under the provisions of AR 850-50.
- d-That the inventions described in Paragraphs 3a, 3b, 3c and 3d should be kept secret.
- e-That the inventions except those mentioned in Paragraph 4d need not be kept secret.
- f-That the inventions mentioned in Paragraphs 3i, 3j, 3k and 3l pertain to the Navy and are of more interest to that Department than to the Signal Corps.
- g-That further information is desired as to the inventions described in Paragraphs 3m and 3n.

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h-That a patent application has been filed by Capt. Gordon C. Avery on the invention mentioned in Paragraph 3aa; that Capt. Avery desires to give the Government a free license in return for the Government completing the prosecution of said patent application; and that the said invention has sufficient military value to warrant prosecution of patent application by the War Department.

i-That Pvt. Orne showed good electronic reasoning in the invention mentioned in Paragraph 3v which might be of value to the Signal Corps if he were assigned to a position in which his ability might be exercised.

5. The Board recommends:

a-That a patent application be filed at Government expense on the inventions mentioned in Paragraphs 3a, 3b, 3c, 3d, 3e, 3f, and 3h.

b-That a patent application be not filed at Government expense on the inventions mentioned in Paragraphs 3o, 3p, 3q, 3r, 3s, 3t, 3u, 3v, 3w, 3x, 3y, and 3z.

c-That the inventions mentioned in Paragraph 4f be forwarded to the Navy Department for necessary action.

d-That action be deferred on the inventions mentioned in Paragraph 4g pending receipt of further information.

e-That there be no objection to the inventions mentioned in Paragraphs 3o, 3p, 3q, 3r, 3s, 3t, 3u, 3v, 3w, 3x, 3y, and 3z applying for a patent at their own expense if they so desire.

f-That the Government complete prosecution of patent application mentioned in Paragraph 4h and obtain a free license.

g-That complete assignments be requested for the inventions mentioned in Paragraph 5a in accordance with the policy outlined in Paragraph 2.

h-That Pvt. Orne be called to the attention of Military Personnel Division for consideration as to assignment to a position, possibly a commission, in which better use may be made of his ability.

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*Conrad E. Snow*  
 Conrad E. Snow,  
 Colonel, Signal Corps  
 Chairman

*R. F. Schlosberg*  
 R. F. Schlosberg,  
 Colonel, Signal Corps,  
 Member

*Donald K. Lippincott*  
 Donald K. Lippincott,  
 Lieutenant Colonel, Signal Corps,  
 Acting Chairman

*W. A. Topping*  
 W. A. Topping,  
 Lieutenant Colonel, Signal Corps

*Benjamin J. Chrony*  
 Benjamin J. Chrony,  
 Captain, Signal Corps

*S. T. Martin, Jr.*  
 S. T. Martin, Jr.  
 First Lieutenant, Signal Corps

*Charles W. Seager*  
 Charles W. Seager,  
 First Lieutenant, Signal Corps

APPROVED January *Jan 30*, 1943,  
 with the exception of Paragraph 2  
 above.

*Dawson Clinstead*

DAWSON CLINESTEAD  
 Major General,  
 Chief Signal Officer of the Army

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