

MEETING NO. 32

1. The Board met at 10:00 A.M., September 23, 1941, in Room 3435, Munitions Building, with the following present:

- Lieutenant Colonel David E. Washburn, Signal Corps (R&D Division)
- Major Donald K. Lippincott, Signal Corps (R&D Division)
- Major F. E. Kidwell, Signal Corps (War Plans & Training Division)
- 1st Lieutenant A. P. Carter, Signal Corps (Plant & Traffic Division)

2. The purpose of the meeting was to consider the following inventions and to make recommendations for their disposition:

v a. Transmission Line for Aircraft Radio, by George L. Haller and James K. Dearmond, ARL.

✓ b. Directive Antenna System, by Albert D. Martin, Jr., CCSigO.

✓ c. Method of Frequency Change, by Walter H. Campbell, CCSigO.

(CCSigO. ✓ d. Cryptograph, (~~Secret~~), by W. F. Friedman and Frank B. Rowlett,

✓ e. Tube Flaring Tool, by Walter Majusick, ARL.

✓ f. Self Locking Safety Catch, by Walter Majusick, ARL.

✓ g. Extruding Tool, by Walter Majusick, ARL.

✓ h. Soldering Iron, by Henry E. Newlin, ARL.

✓ i. Plotting Device, by Vernon I. Weihs, ARL.

✓ j. Connector Plug for Electrical Circuits, by Herbert F. Miller, Air Corps Inspector.

✓ k. Use of Infra Red Rays to Improve Visibility, by Morris J. Olsen, Pvt., 21st Pursuit Sqd.

✓ l. Method of obtaining non-linear relation between control voltage and plate resistance of a vacuum tube, by Edwin K. Stodola, Assoc. Radio Eng. SCL.

✓ m. Method of amplitude modulation in which carrier may be suppressed to any desired extent, by Edwin K. Stodola, Assoc. Radio Eng., SCL.

✓ n. Method of phase or frequency modulation in which large phase shifts with low distortion may be produced in the modulator, by Edwin K. Stodola, SCL.

✓ o. Method of producing phase of frequency modulation by the use of two voltage sources differing in phase, by Edwin K. Stodola, Assoc. Radio Eng. SCL.

✓ p. Method of producing large phase shifts with low distortion by the cascading of phase modulators, by Edwin K. Stodola, Assoc. Radio Eng., SCL.

✓ g. Device for Automatic Correction of Aim, by Walter J. Newton, 1st Lieutenant, Dental Corps.

✓ r. Omni-Directional Radio Range, by Henry Wilkie and Francis Mosely, ARL.

✓ s. Equipment for Detecting & Using Ultra High Frequency Radiations, by Arthur R. Knight, Associate Radio Engineer, ARL.

✓ t. Means Enlarging Color Pictures, by Captain V. C. Stevens.

✓ u. Radio Memory, by Henry C. Goodwin.

3. The Board finds:

a. That the inventions above in paragraphs 2 b, c, d, i, r, t and u have sufficient military value to warrant prosecution of patent applications by the War Department.

b. That the inventions arose in connection with and as a result of the official duties of the inventors, but that there was no specific designation to invent the things described.

c. That the inventors desire to obtain patents under the provisions of AR 850-50.

d. That the inventions except those mentioned in paragraph 3e below need not be kept secret.

e. That the inventions of W.F. Friedman and Frank B. Rowlett, Paragraph (2 d.), and Arthur R. Knight, Paragraph (2 s.), and Captain V. C. Stevens, Paragraph (2 t.), should be kept secret.

4. The Board Recommends:

a. That a patent not be obtained at government expense on the inventions mentioned in paragraphs 2 a, e, f, g, h, j, k and q and that decision on the inventions mentioned in paragraphs 2 l, m, n, o, p and s be deferred until next meeting pending receipt of further information from the laboratories, as to the practicability of the inventions.

b. That patents be obtained on inventions mentioned in paragraph 3 a., if found to be patentable.

5. The Board decided a regular meeting should be held each month, and designated the first Tuesday of the month for the time of the meetings.

David E. Washburn

David E. Washburn
Lieutenant Colonel, Signal Corps
Acting Chairman

F. E. Kidwell

F. E. Kidwell,
Major, Signal Corps
for
William S. Rumbough,
Lieutenant Colonel, Signal Corps
Member

Donald E. Lippincott

Donald E. Lippincott,
Major, Signal Corps
Acting Recorder

A. I. Carter

A. I. Carter
1st Lieutenant, Signal Corps
for
Paul C. Gripper,
Lieutenant Colonel, Signal Corps
Member

APPROVED September 30 1941.

Daniel Cl. Stead

DANIEL CL. STEAD,
Brigadier General, U. S. Army,
Acting Chief Signal Officer