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UNITED STATES OF AMERICA
Federal Communications Commission

Section 1

APPLICATION FOR A NEW NONCOMMERCIAL EDUCATIONAL BROADCAST STATION LICENSE

File No. **BLE D-830117 AC**

APPLICANT NAME

Shead Memorial High School

ADDRESS

McKinley Street

CITY

Eastport

STATE

Maine

ZIP

04631

2. CONSTRUCTION PERMIT COVERED BY THIS APPLICATION

FILE NO.

BPED - 811211 AP

DATE

1/19/82

CONSTRUCTION BEGUN

February - 1980

CONSTRUCTION COMPLETED

December - 1982

3. Has applicant any contract, arrangement, or understanding, expressed or implied, with a commercial or noncommercial organization for the broadcasting of network programs?

YES NO

If "Yes," state as EXHIBIT _____ arrangements under which they are to be obtained and attach copies of any contractual arrangement which may have been made. If the arrangement is based on oral understanding, a written statement of the arrangement should be submitted.

NOTE: The Public Broadcasting Service, National Public Radio and Eastern Educational Network are examples of noncommercial networks.

4. Is a request for authority to conduct program tests a part of this application?

If "No," explain **AUDIO SERVICES** YES NO

INSTRUCTIONS

- A. This form is to be used in all cases when applying for a Noncommercial Educational AM, FM or TV Broadcast Station License. This form consists of this part, Section I, and the following sections: Section II-A, License Application Engineering Data AM Broadcast; Section II-B, License Application Engineering Data FM Broadcast; Section II-C, License Application Engineering Data Television Broadcast.
- B. PREPARE THREE COPIES of this form and all exhibits. Sign one copy. File with the Federal Communications Commission, Washington, D. C. 20554.
- C. Number exhibits serially in the space provided in the body of the form and list each exhibit in the space provided on page 2 of this Section. Date each exhibit and each antenna pattern.
- D. The name of the applicant must be stated exactly as it appears on the construction permit which is being covered. The applicant must notify the Commission of any change of address.
- E. Information called for by this application which is already on file with the Commission need not be refiled in this application provided (1) the information is now on file in another application or FCC form filed by or on behalf of this applicant; (2) the information is identified fully by reference to the file number (if any), the FCC form number and the filing date of the application or other form containing the information and the page or paragraph referred to, and (3) after making the reference, the applicant states: "No change since date of filing." Any such reference will be considered to incorporate into this application the application or other form referred to in its entirety. The incorporated application or other form will thereafter, in its entirety, be open to the public.
- F. This application shall be personally signed by the applicant, if the applicant is an individual; by one of the partners, if the applicant is partnership; by an officer, if the applicant is a corporation; by a member who is an officer, if the applicant is an unincorporated association; by such duly elected or appointed officials as may be competent to do so under the laws of the applicable jurisdiction, if the applicant is an eligible government entity; or by the applicant's attorney in case of the applicant physical disability or of his absence from the United States. The attorney shall, in the event he signs for the applicant, separately set forth the reason why the application is not signed by the applicant. In addition, if any matter is stated on the basis of the attorney's belief only (rather than his knowledge), he shall separately set forth his reasons for believing that such statements are true.
- G. BE SURE ALL NECESSARY INFORMATION IS FURNISHED AND ALL PARAGRAPHS ARE FULLY ANSWERED. IF ANY PORTIONS OF THE APPLICATION ARE NOT APPLICABLE, SPECIFICALLY SO STATE. DEFECTIVE OR INCOMPLETE APPLICATIONS MAY BE RETURNED WITHOUT CONSIDERATION.
- H. See back of last page for Privacy Act Notice.

FINANCIAL DATA

1. Facilities authorized by construction permit

Frequency	Channel No.	Call Sign
91.7MHZ	219	WSDH

Effected radiated power kilowatts, or power for standard broadcast stations	Antenna height above average terrain in feet (FM and TV only)
10 Watts	100 Ft.

Location of main studio	
State	City
Maine	Eastport

Location of transmitter		
State	County	City
Maine	Washington	Eastport

Number and street (or other indication of location)
McKinley Street

5. Give actual costs of making installation for which construction was authorized

Transmitter proper including tubes	Antenna system including tower, coupling equipment, and transmission line
\$ 200	\$
Frequency and modulation monitors	Studio technical equipment, microphone, transcription equipment, cameras, etc.
\$ 2,800	\$
Acquiring land	Acquiring, constructing or modifying buildings
\$ NIL	\$ NIL
Other items (state nature)	Total
\$	\$

6. (a) Have there been any substantial changes in the financial data submitted with the application for the construction permit?

YES NO

(b) If answer to Question 6a is yes, submit as Exhibit No. _____ a statement outlining such changes.

7. Is applicant's ownership report (FCC Form 323E) on file with the Commission?

YES NO

If "No," explain

THE APPLICANT hereby waives any claim to the use of any particular frequency or of the ether as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests an authorization in accordance with this application. (See Section 304 of the Communications Act of 1934).

THE APPLICANT represents that this application is not filed for the purpose of impeding, obstructing, or delaying determination on any other application with which it may be in conflict.

THE APPLICANT acknowledges that all the statements made in this application and attached exhibits are considered material representations, and that all the exhibits are a material part hereof and are incorporated herein as if set out in full in the application.

CERTIFICATION

I certify that the statements in this application are true, complete, and correct to the best of my knowledge and belief, and are made in good faith.

Signed and dated this 10th day of January, 1983

Sheep Memorial High School
(Name of Applicant)

WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND IMPRISONMENT. U. S. CODE, TITLE 18, SECTION 1001.

By George Lehigh
(Signature)

Title Principal

If applicant is represented by legal or engineering counsel, state name and post office address:

EXHIBITS furnished as required by this form:

EXHIBIT NO.	SECTION AND PARAGRAPH NO. OF FORM	NAME AND OFFICER OR EMPLOYEE (1) BY WHOM OR (2) UNDER WHOSE DIRECTION EXHIBIT WAS PREPARED (SHOW WHICH)	OFFICIAL TITLE

Section II-B

LICENSE APPLICATION ENGINEERING DATA
FM BROADCAST

Name of Applicant

Shead Memorial High School

1. Facilities authorized in construction permit

Call Sign WSHD	File No. of construction BPED - 811211 AP	<i>CP WPCD 1834</i>
Frequency 91.7MHZ	Effective radiated power in kilowatts .01KW	Antenna height above average terrain 100'

9. Transmission line

Make BELDEN	Type No. RG-213-U	Description COAXIAL
Size (nominal inside transverse dimension) in inches 3/8"	Length in feet 30'	Radiated efficiency in percent for this length 80%

2. Station location

State Maine	City or town Eastport
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3. Transmitter location

State Maine	County Washington
City or town Eastport	Street Address (or other identification) McKinley Street

10. Modulation monitor

Make N/A	Type No. N/A
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4. Main studio location

State Maine	County Washington
City or town Eastport	Street address McKinley Street

11. Frequency measurements

Give the following data on the checks of the frequency

Date and Time	Frequency measured by such agency or method
1. 12/16/82 - 1:00a.m.	91.700240
2. 12/17/82 - 1:00 a.m.	91.700021
3. 12/18/82 - 1:00 a.m.	91.700019

Name of checking agency or method used
Freq. Counter Ref. AGAINST WWV

5. Are you using remote control?

YES NO
If Yes, specify location.
 Transmitter Main studio Other
If other, give address:

12. In what respect, if any, does the apparatus constructed differ from that described in the application for construction permit or in the permit?

NONE

State	County
City or Town	Street Address (or other identification)

6. Transmitter installed

Make WILKINSON	Type No. FM10E
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7. Operating constants

D.C. current in last radio stage in amperes .066 AMPS	Applied D.C. voltage of last radio stage, in volts 450V
Input power to last radio stage, in kilowatts .0297KW	Efficiency factor F of transmitter at operating power, in percent 33.6%
Transmitter power output in kw by indirect method .010KW	RF transmission line meter reading 60

8. Antenna

Antenna make and type No. Phelps Dodge	Number of sections 3	Power gain 12 dbx
Height of antenna radiation center above ground 40'		
Geographical coordinates of antenna (to nearest second) North latitude 44 54 30 West Longitude 66 59 24		
Description of antenna supporting structure 3 1/2" OD Aluminum Pole bolted to wall 38' Long - 13' x 3/8" Guys		
Overall height above ground of antenna supporting structure (without obstruction lighting) 50'		

I certify that I represent the applicant in the capacity indicated below and that I have examined the foregoing statement of technical information and that it is true to the best of my knowledge and belief.

Signature Jacobs W. Amund PT-1-24069
(check appropriate box below)

Technical Director Consultant
 Registered Professional Engineer Chief Operator

Date Jan 13, 1983

Telephone No. 207-853-2785
(Include Area Code)