

FEDERAL COMMUNICATIONS COMMISSION

CLASS OF STATION FM

CINDY

The following application is submitted for action by the Chief, Broadcast Bureau.

ST	FILE NUMBER	CALL	APPLICANT AND LOCATION	NATURE OF APPLICATION
AL	BPED -860512MB N/M	NEW 91.3MHZ	TRINITY CHRISTIAN ACADEMY OXFORD AL	CP FOR NEW EDUCATIONAL FM ON: FREQUENCY: 91.3MHZ.;#217; ERP: 0.126 KW (V); HAAT: 565 METERS (V); TL: PEAK OF CHEAHA MOUNTAIN OXFORD, ALABAMA SL/RC: T.B.D. 33 29 07 85 48 33

LICENSE EXPIRATION DATE \_\_\_\_\_

\_\_\_\_\_  
CHIEF, LICENSE DIVISION

RECOMMENDATION: GRANT( ) CONSTRUCTION DATES, START \_\_\_\_\_ END \_\_\_\_\_

CONTESTED ( ) UNCONTESTED ( )

APPROVED \_\_\_\_\_

\_\_\_\_\_  
FOR CHIEF, BROADCAST BUREAU

F.C.C.-WASHINGTON, D.C.

RECEIVED

MAY 12 1986

LAW OFFICES  
**REDDY, BEGLEY & MARTIN**

2033 M STREET N. W.  
WASHINGTON, D. C. 20036  
(202) 659-5700

FCC  
MAY 13 10 04 AM '86  
Office of the Secretary  
EDWARD B. REDDY  
OF COUNSEL  
AUDIO SERVICES  
DIVISION

DENNIS F. BEGLEY  
HARRY C. MARTIN  
MATTHEW H. MCCORMICK  
CHERYL A. KENNY  
CHRISTOPHER G. WOOD

**ORIGINAL**

May 12, 1986

Mr. William J. Tricarico, Secretary  
Federal Communications Commission  
Washington, D. C. 20554

Re: Trinity Christian Academy  
Oxford, Alabama  
Channel 217C2

Dear Mr. Tricarico:

Transmitted herewith in triplicate on behalf of Trinity Christian Academy is an application for a construction permit for a new noncommercial educational FM broadcast station on Channel 217C2 at Oxford, Alabama.

Should any question arise concerning this application, please communicate with this office.

Very truly yours,

HARRY C. MARTIN  
Counsel for  
TRINITY CHRISTIAN ACADEMY

RECEIVED

**APPLICATION FOR CONSTRUCTION PERMIT FOR  
NONCOMMERCIAL EDUCATIONAL BROADCAST STATION**  
(Carefully read instructions before filling out Form—RETURN ONLY FORM TO FCC)

For Commission Use Only  
File No. 800512 MB  
MAY 13 10 44 AM '86

RECEIVED  
AUDIO SERVICES  
DIVISION  
MAY 12 1986

**Section I**

**General Information**

1. Name of Applicant

Trinity Christian Academy

Street Address

Rt 7 Box 1335 \_\_\_\_\_  
FCC  
Office of the Secretary

City State ZIP Code Telephone No.  
(Include Area Code)

Oxford AL 36203 205/831-1501

Send notices and communications to the following named person at the address below:

Name C. O. Grinstead, As above;

Street Address

cc: Reddy, Begley & Martin

2033 M Street NW #151010 \_\_\_\_\_

City State ZIP Code Telephone No.  
(Include Area Code)

Washington DC 20036 202/659-5700

2. This application is for:  AM  FM  TV

(a) Channel No. or Frequency: Channel 217

(b) Community of license:

City State

Oxford AL

(c) Check one of the following boxes:

- Application for new station \_\_\_\_\_
- Major Change in Existing station; call sign: \_\_\_\_\_
- Minor Change in Existing station; call sign: \_\_\_\_\_
- Modification of Construction Permit; File No. of CP: \_\_\_\_\_
- Amendment to Pending Application; Reference Number (ARN): \_\_\_\_\_

NOTE: It is not necessary to use this form to amend a previously filed application. Should you do so, however, please submit only Section I and those other portions of the form that contain the amended information.

3. Is this application mutually exclusive with a renewal application?

YES  NO

If Yes, State:

Call letters:

Community of license:

City State

\_\_\_\_\_-\_\_\_\_\_-\_\_\_\_\_

Section II

Legal Qualifications

Name of Applicant

Trinity Christian Academy

1. (a) Applicant is: (Check one box below)

- a general partnership operating on a nonprofit basis
- a limited partnership operating on a nonprofit basis
- a governmental or public educational agency or institution

- a nonprofit corporation
- Other (specify)

a division of Trinity Baptist Church, Inc., a non-profit corporation

If the applicant is an unincorporated association or a legal entity other than a partnership, nonprofit corporation, or a governmental or public educational agency or institution, describe in Exhibit No. N/A the nature of the applicant.

(b) Is there any provision contained in any by-laws, articles of incorporation, partnership agreement, charter, statute or any other document which would restrict the applicant in advancing an educational program or complying with any Commission rule, policy or provision of the Communications Act of 1934, as amended.  YES  NO

If Yes, provide particulars as Exhibit No. N/A.

(c) Does the applicant certify that copies of all pertinent documents set out in (b) are in the public inspection file?  YES  NO

Describe in Exhibit No. 1 how the proposed station will be used for the advancement of an educational program. This does apply if applicant is applying for change in facilities.

Citizenship And Other Statutory Requirements

2. (a) Is the applicant in compliance with the provisions of Section 310 of the Communications Act of 1934, as amended, relating to interests of aliens and Foreign governments?  YES  NO

(b) Will any funds, credits, etc., for the construction, purchase or operation of the station be provided by aliens, foreign entities, domestic entities controlled by aliens, or their agents?  YES  NO

If yes, provide particulars as Exhibit No. N/A.

3. (a) Has an adverse finding been made, adverse final action taken or consent decree approved by any court or administrative body as to the applicant or any party to the application in any civil or criminal proceeding brought under the provisions of any law related to the following subjects: Any felony, antitrust, unfair competition, fraud, unfair labor practices or discrimination?  YES  NO

(b) Is there now pending in any court or administrative body any proceeding involving any of the matters referred to in (a)?  YES  NO

If the answer to (a) or (b) above is Yes, attach as Exhibit No. N/A, a full disclosure concerning the persons and matters involved, identifying the court or administrative body and the proceeding (by dates and file numbers), stating the facts upon which the proceeding was based or the nature of the offense committed, and disposition or current status of the matter.

Applicants are reminded that questions 4 through 5 of this Section must be completed as to all "parties to this application" as that term is defined in the instructions to Section II of this form.

Table I Parties To Application

4. Complete Table I with respect to all parties to this application.

(Note: If the applicant considers that to furnish complete information would pose an unreasonable burden, it may request that the Commission waive the strict terms of this requirement with appropriate justification)

INSTRUCTIONS: If applicant is partnership, fill out columns (a), (b), and (d), stating as to each general or limited partner (including silent partners): (a) name and residence, (b) nature of partnership interest (i.e., general or limited), and (d) percent of ownership interest. If applicant is a corporation or an unincorporated association with 50 or fewer stockholders, stock subscribers, holders of membership certificate or other ownership interest, fill out all columns, giving the information requested as to all officers, directors and members of governing board. In addition, give the information as to all persons or entities who are the beneficial or record owners of or have the right to vote capital stock, membership or ownership interests or are subscribers to such interests. If the applicant has more than 50 stockholders, stock subscribers or holders of membership certificates or other ownership interests, furnish the information as to officers, directors, members of governing board, and all persons or entities who are the beneficial or record owners of or have the right to vote 1% or more of the capital stock, membership or ownership interest. If applicant is governmental or public educational agency or institution, fill out columns (a) and (c) as to all members of the governing board and chief executive.

Name and Residence Address(es)	Nature of Partnership Interest or Office Held	Director or Member of Governing Board		% of: Ownership (O) or Partnership (P) or Voting Stock (VS) or Membership (M)
		YES	NO	
(a)	(b)	(c)		(d)
Rev. C.O. Grinstead 1200 Tanglewood Dr. Oxford, AL 36203  <u>Board of Deacons*/</u>	Pastor	X		N/A
Mr. Ray Banks 909 Catalpa Lane Oxford, AL 36203	Deacon	X		16.67 (M)
Mr. Coy Bolton P.O. Box 3144 Oxford, AL 36203	Deacon	X		16.67 (M)
Mr. Gene Curtis 1901 Dellwood Ave. Anniston, AL 36201	Deacon	X		16.67 (M)
Mr. Jerry Reaves 508 Scott Lane Oxford, AL 36203	Deacon	X		16.67 (M)
Mr. Larry Skinner Rt. 2, Box 6 Oxford, AL 36203	Deacon	X		16.67 (M)
Mr. Frank Smith 1208 Sherwood Dr. Oxford, AL 36203	Deacon	X		16.67 (M)

Trinity Christian Academy is operated by Trinity Baptist Church, Inc. of Oxford, AL. The Academy, like the Church, is governed by the Pastor and the Deacons of the Church.

5. Has the applicant or any party to this application had any interest in:
- (a) a broadcast application which has been dismissed with prejudice by the Commission?  YES  NO
- (b) a broadcast application which has been denied by the Commission?  YES  NO
- (c) a broadcast station, the license of which has been revoked?  YES  NO
- (d) a broadcast application in any Commission proceeding which left unresolved character issues against that applicant?  YES  NO
- (e) If the answer to any of the questions above is Yes, attach Exhibit No. N/A, stating the following information:
- (1) Name of party having such interest;
  - (2) Nature of interest or connection, giving dates;
  - (3) Call letters of stations or file number of application, or docket number;
  - (4) Location.

#### Ownership and Control

6. Are there any documents, instruments, contracts, or understandings relating to ownership or future ownership rights (including, but not limited to, non-voting stock interests, beneficial stock ownership interest) or control?  YES  NO
- If Yes, provide particulars as Exhibit No. N/A.
7. Do documents, instruments, agreements or understandings for the pledge of stock of a corporate applicant, as security for loans or contractual performance, provide that (a) voting rights will remain with the applicant, even in the event of default on the obligation; (b) in the event of default, there will be either a private or public sale of the stock; and (c) prior to the exercise of stockholder rights by the purchaser at such sale, the prior consent of the Commission [pursuant to 47 U.S.C. 310(d)] will be obtained?  YES  NO
- If No, attach as Exhibit No. N/A, a full explanation.

**Section III**

**Financial Qualifications**

Note: If this application is for a change in an operating facility, **DO NOT** fill out this section.

- 1. Is this application contingent upon receipt of a grant from the National Telecommunications and Information Administration?  YES  NO
  
- 2. Is this application contingent upon receipt of a grant from a charitable organization, the approval of the budget of a school or university, or an appropriation from a state, county, municipality or other political subdivision?  YES  NO

NOTE: If either 1 or 2 is answered "Yes", your application cannot be granted until all of the necessary funds are committed or appropriated. In the case of grants from the National Telecommunications and Information Administration no further action on your part is required. If you rely on funds from a source specified in Question 2, *you must advise the F.C.C. when the funds are committed or appropriated.* This should be accomplished by letter amendment to your application, in triplicate, signed in the same manner as the original application, and clearly identifying the application to be amended.

- 3. Except as indicated in Questions Numbered 1 and 2 above, the applicant certifies that:
  - (a) It has a reasonable assurance of present commitments from each donor, from each party agreeing to furnish capital, from each bank, financial institution or others agreeing to lend funds, and from each equipment supplier agreeing to extend credit:  YES  NO
  
  - (b) It can and will meet all contractual requirements as to collateral, guarantees, and capital investments or donations:  YES  NO
  
  - (c) It has determined that a reasonable assurance exists that all such sources (excluding banks, financial institutions, and equipment manufacturers) have sufficient net liquid assets to meet these commitments.  YES  NO
  
- 4. The applicant certifies, except as noted above, that sufficient net liquid assets are on hand or available from committed sources to construct and operate the requested facilities for three months without additional funds.  YES  NO

**Section IV**

**Program Service Statement**

For AM, FM and TV Applications

Attach as Exhibit No. 1, the applicant's purpose and objective in establishing the proposed station and a statement of proposed program policies. If applicant already has such information on file, indicate file number and detail changes, if any.

**Section VI**

**Equal Employment Opportunity Program**

1. Does the applicant propose to employ five or more fulltime employees?  YES  NO

If the answer is Yes, the applicant must include an EEO program called for in the separate 5 Point Model EEO Program [FCC Form 396 (A)].

**Section VII**

**Certification**

1. Has or will the applicant comply with the public notice requirement of Section 73.3580 of the Commission's Rules?  YES  NO

The APPLICANT hereby waives any claim to the use of any particular frequency 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, as amended.)

The APPLICANT acknowledges that all the statements made in this application and attached exhibits are considered material representations, and that all exhibits are a material part hereof and are incorporated herein.

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.

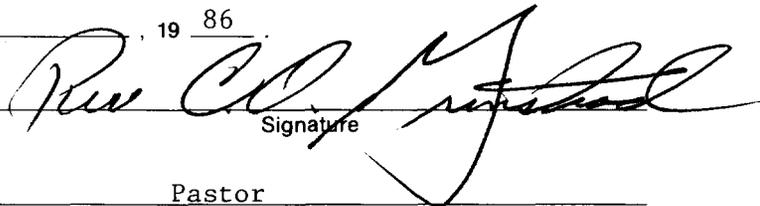
In accordance with Section 1.65 of the Commission's Rules, the APPLICANT has a continuing obligation to advise the Commission, through amendments, of any substantial and significant changes in information furnished.

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

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 May, 19 86.

Trinity Christian Academy  
Name of Applicant

  
Signature

Pastor  
Title

**FCC NOTICE TO INDIVIDUALS REQUIRED BY THE PRIVACY ACT  
AND THE PAPERWORK REDUCTION ACT**

The solicitation of personal information requested in this application is authorized by the Communications Act of 1934, as amended. The principal purpose for which the information will be used is to determine if the benefit requested is consistent with the public interest. The staff, consisting variously of attorneys, accountants, engineers, and application examiners, will use the information to determine whether the application should be granted, denied, dismissed, or designated for hearing. If all the information requested is not provided, the application may be returned without action having been taken upon it or its processing may be delayed while a request is made to provide the missing information. Accordingly, every effort should be made to provide all necessary information. Your response is required to obtain the requested Permit.

**THE FOREGOING NOTICE IS REQUIRED BY THE PRIVACY ACT OF 1974, P.L. 93-579, DECEMBER 31, 1974, 5 U.S.C. 552a(e)(3), AND THE PAPERWORK REDUCTION ACT OF 1980, P.L. 96-511, DECEMBER 11, 1980, 44 U.S.C. 3507.**

**MODEL EEO PROGRAM**

1.	Name of Applicant	Street Address		
	<u>Trinity Christian Academy</u>	<u>Rt. 7, Box 335</u>		
	City	State	Zip Code	Telephone No. (Include Area Code)
	<u>Oxford</u>	<u>Alabama</u>	<u>36203</u>	<u>205/831-1501</u>

2. This form is being submitted in conjunction with:

- Application for Construction Permit for New Station       Application for Assignment of License
- Application for Transfer of Control

(a) Call letters (or channel number or frequency)

(b) Community of License

Channel 217

Oxford      Alabama  
City      State

(c) Service: AM  FM  TV  Other (Specify)  \_\_\_\_\_

**INSTRUCTIONS**

Applicants seeking authority to construct a new commercial, noncommercial or international broadcast station, applicants seeking authority to obtain assignment of the construction permit or license of such a station, and applicants seeking authority to acquire control of an entity holding such construction permit or license are required to afford equal employment opportunity to all qualified persons and to refrain from discriminating in employment and related benefits on the basis of race, color, religion, national origin or sex. See Section 73.2080 of the Commission's Rules. Pursuant to these requirements, an applicant who proposes to employ five or more fulltime station employees must establish a program designed to assure equal employment opportunity for women and minority groups (that is, Blacks not of Hispanic origin, Asians or Pacific Islanders, American Indians or Alaskan Natives and Hispanics.) This is submitted to the Commission as the Model EEO Program. If minority group representation in the available labor force is less than five percent (*in the aggregate*), a program for minority group members is not required. In such cases, a statement so indicating must be set forth in the EEO model program. However, a program must be filed for women since they comprise a significant percentage of virtually all area labor forces. If an applicant proposes to employ less than five fulltime employees, no EEO program for women or minorities need be filed.

Guidelines for a Model EEO Program and a Model EEO Program are attached.

NOTE: Check appropriate box, sign the certification below and return to FCC:

- Station will employ less than 5 fulltime employees; therefore no written program is being submitted.
- Station will employ 5 or more fulltime employees. Our 5 point program is attached.

**CERTIFICATION**

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

Signed and dated this 1st day of May, 1986.

  
Signature

Pastor, Trinity Baptist Church, Inc.  
Title

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

**FCC NOTICE TO INDIVIDUALS REQUIRED BY THE PRIVACY ACT AND THE PAPERWORK REDUCTION ACT**

The solicitation of personal information requested in this application is authorized by the Communications Act of 1934, as amended. The principal purpose for which the information will be used is to determine if the benefit requested is consistent with the public interest. The staff, consisting variously of attorneys, accountants, engineers and application examiners, will use the information to determine whether the application should be granted, denied, dismissed, or designated for hearing. If all the information requested is not provided, the application may be returned without action having been taken upon it or its processing may be delayed while a request is made to provide the missing information. Accordingly, every effort should be made to provide all necessary information. Your response is required to obtain this authorization.

**THE FOREGOING NOTICE IS REQUIRED BY THE PRIVACY ACT OF 1974, P.L. 93-579, DECEMBER 31, 1974, 5 U.S.C. 552a(e)(3) AND THE PAPERWORK REDUCTION ACT OF 1980, P.L. 96-511, DECEMBER 11, 1980, 44 U.S.C. 3507.**

HOW STATION WILL BE USED TO  
ADVANCE AN EDUCATIONAL PROGRAM

PURPOSES AND OBJECTIVES

The applicant's purpose, as reflected in Trinity Baptist Church articles of incorporation, includes operation of an educational institution for persons from pre-school to the collegiate level. The new radio station will enhance the ability of the educational institution, Trinity Christian Academy, to effect a positive academic and cultural influence on the community it serves. This will be accomplished through public affairs programming, including seminars and forums; regular news broadcasts with local, regional and national components; instructional programming presented by faculty members and high quality musical presentations. It shall be the station's goal, consistent with the philosophy of the Academy, to exert a positive, uplifting influence on the cultural life of the community.

While affiliated with a Baptist church, Trinity Christian Academy will make time available for the presentation of other religious viewpoints.

Name of Applicant Trinity Christian Academy

1. Purpose of authorization applied for:

- Construct a new station
- Install Auxiliary system

- Change:
- Effective radiated power
  - Antenna height above average terrain
  - Studio location outside community of license
  - Other (Summarize briefly the nature of the changes proposed.)
  - Frequency
  - Transmitter location

2. Community of license: State Alabama City or Town Oxford

3. Facilities requested: Frequency 91.3 MHz Channel No. 217 Class (Check one below)

A  B  B1  C2  D

C  C1

4. Geographic coordinates of antenna (to nearest second)

North Latitude 33° 29' 07" West Longitude 85° 48' 33"

Effective radiated power:

<u>Polarization</u>	<u>Horizontal Plane</u>	<u>Maximum (Beam tilt only)</u>
Horizontal	<u>N/A</u> kW	<u>N/A</u> kW
Vertical	<u>0.126</u> kW	<u>N/A</u> kW

6. Height in meters of antenna radiation center:

	<u>Above Average terrain (HAAT)</u>	<u>Above Mean Sea Level</u>	<u>Above Ground</u>
Horizontal	<u>N/A</u> meters	<u>N/A</u> meters	<u>N/A</u> meters
Vertical	<u>565</u> meters	<u>855</u> meters	<u>121</u> meters

7. Is a directional antenna being proposed?  YES  NO

If Yes, attach as Exhibit No. N/A an engineering statement with all data specified in Section 73.316(d) of the Commission's Rules.

8. Transmitter location: State Alabama County Cleburne  
 City or Town Oxford Street Address (or other identification) Peak of Cheaha Mountain

9. Overall height of complete structure above ground, including all appurtenances and lighting (if any, see Part 17). 176 meters

10. Attach as Exhibit No. Eng map(s) (Sectional Aeronautical charts or equivalent) of the area proposed to be served and shown thereon:

- (a) Proposed transmitter location and the radials along which the profile graphs have been prepared;
- (b) The 1mV/m predicted contour;
- (c) Area (sq. mi.) and population (latest census) within 1 mV/m contour;
- (d) Scale of miles or kilometers (kilometers if available).

11. Attach as Exhibit No. N/A a map (Sectional Aeronautical charts where obtainable) showing the present and proposed 1 mV/m (60 dbu) contours.

Enter the following from Exhibit above:

Gain Area \_\_\_\_\_ sq. mi.  
 Loss Area \_\_\_\_\_ sq. mi.

Percent change (gain area plus loss area as percentage of present area) \_\_\_\_\_ %.  
 If 50% or more this constitutes a major change. Indicate in question 2(e), Section I, accordingly.

12. If the main studio will not be within the boundaries of the principal community to be served, attach as Exhibit No. N/A a justification pursuant to Section 73.1125(f) of the Commission's Rules.

13. Attach as Exhibit No. Eng map(s) (7.5 minute U.S. Geographic Survey topographic quadrangles if available) of the proposed antenna location showing the following information:

- (a) Proposed transmitter location accurately plotted with the latitude, the longitude lines clearly marked and showing a scale of statute kilometers.
- (b) Transmitter location and call letters of all AM broadcast stations within 2 miles of the proposed antenna location.

14. If there are any FM or TV stations within 200 feet of proposed antenna or non-broadcast radio stations (except amateur and citizens band), or established commercial and government receiving stations in the general vicinity which may be adversely affected by the proposed operation, attach as Exhibit No. Eng the expected effect, a description of remedial steps that may be pursued if necessary, and a statement from the applicant accepting full responsibility for the elimination of any objectionable effect on existing stations.

15. Tabulation of Terrain Data. (Calculated in accordance with the procedure prescribed in Section 73.313 of the Commission's Rules utilizing 7.5 minute topographic maps, if available.)

Radial bearing (degrees true)	Height of antenna, radiation center above average elevation of radial (3-16 kilometers) Meters	Predicted Distance
		To the 1 mV/m contour  Kilometers
0°	607	27.4
45°	561	26.4
90°	553	26.2
135°	542	25.9
180°	484	24.5
225°	533	25.7
270°	612	27.5
315°	625	28.0

**Allocation Studies**

(See Subpart C of Part 73 of the Commission's Rules and Regulations)

16. Is the proposed antenna location within 320 kilometers (199 miles) of the common border between the United States and Mexico?  Yes  No

If Yes, attach as Exhibit No. N/A a showing of compliance with all provisions of the Agreement between the United States of America and the United Mexican States concerning Frequency Modulation Broadcasting in the 88 to 108 MHz band.

17. With regard to stations within 320 kilometers (199 miles) of the common border between the United States and Mexico, attach as Exhibit No. N/A information required in 1/.

8. If the proposed operation is for a channel in the range from channel 201 through 220 (88.1 through 91.9 MHz), then with regard to stations more than 320 kilometers (199 miles) from the common border between the United States and Mexico or if this proposed operation is for a class D station in the range from Channel 221 through 300 (92.1 through 107.9 MHz), attach as Exhibit No. Eng a complete allocation study to establish the lack of prohibited overlap of contours involving these stations. The allocation study should include the following:

- (a) The normally protected interference-free and the interfering contours for the proposed operation along all azimuths.
- (b) Complete normally protected interference-free contours of all other proposals and existing stations to which objectionable interference would be caused.
- (c) Interfering contours over pertinent arcs of all other proposals and existing stations from which objectionable interference would be received.
- (d) Normally protected and interfering contours over pertinent arcs, of all other proposals and existing stations, which require study to show the absence of objectionable interference.
- (e) Plot of the transmitter location of each station or proposal requiring investigation, with identifying call letters, file numbers and operating or proposed facilities.
- (f) When necessary to show more detail, an additional allocation study will be attached utilizing a map with a larger scale to clearly show interference or absence thereof.
- (g) A scale of miles and properly labeled longitude and latitude lines, shown across the entire (Exhibit(s)). Sufficient lines should be shown so that the location of the sites may be verified.
- (h) The name of the map(s) used in the exhibit(s).

1/ A showing that the proposed operation meets the minimum distance separation requirements. If any separations are proposed that are less than the applicable minimum separation requirements plus 15 kilometers, include these stations. Also include existing stations, proposed stations, and cities which appear in the Table of Assignments; the location and geographic coordinates of each antenna, proposed antenna or reference point, as appropriate; and distance to each from proposed antenna location.

19. Is the proposed antenna location within 320 kilometers of the common border between the United States and Canada?  Yes  No  
 If Yes, attach as Exhibit No. N/A a showing of compliance with all provisions of the Working Agreement for Allocation of FM Broadcasting Stations on Channels 201-300 under The Canada-United States FM Agreement of 1947.

20. With regard to station separated by 53 or 54 channels (10.6 or 10.8 MHz) attach as Exhibit No. Eng. information required in 1/ (separation requirements involving intermediate frequency [i.f.] interference).

21. Is the proposed operation on Channel 218, 219 or 220?  Yes  No  
 If Yes, attach as Exhibit No. N/A information required in 1/ regarding separation requirements with respect to stations on Channels 221, 222, and 223.

22. Is the proposed station for a channel in the range from Channel 201 to 221 (88.1-91.9 MHz) and the proposed antenna location within the Grade B contour of a channel 6 television station or sufficiently near the Grade B contour that a question of interference to channel 6 may be raised?  Yes  No  
 If Yes, attach as Exhibit No. Eng. a map showing the Grade B contour of the television station and the proposed antenna location. Also include discussion of the possibility of interference to the Channel 6 station and the steps proposed to remedy any interference which may occur.

23. Is the proposed station for a channel in the range from Channel 221 to 300 (92.1-107.9 MHz)?  Yes  No  
 If Yes, attach as Exhibit No. N/A information required in 1/ (Except for class D [secondary] proposals.)

24. If the proposed antenna location is in or near a populated area, attach Exhibit No. N/A a discussion of blanketing and the steps proposed to remedy any interference which may occur.

25. Environmental Statement, See Part I, Subpart 1 of the Commission's Rules.  
 Would a Commission grant of this application be a major action as defined by Section 1.1305 of the Commission's Rules?  Yes  No  
 If Yes, attach as Exhibit No.      a narrative statement in accordance with Section 1.1311 of the Commission's Rules.  
 If No, explain briefly. The antenna will be side mounted on an existing structure.

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.

May 9, 1986  
 Date



Louis R. du Treil, P. E.  
 Name  
Louis R. du Treil  
 Signature (check appropriate box below)

1200 18th Street, N. W., Suite 607  
 Address (include ZIP Code)

Washington, D. C. 20036

(202) 659-3055  
 Telephone No. (include Area Code)

- Technical Director
- Registered Professional Engineer
- Chief Operator
- Technical Consultant
- Other (Specify)

Name of Applicant Trinity Christian Academy	Call Sign New	Station Location Oxford, Alabama
Purpose of Application (Put "X" in appropriate box) <input type="checkbox"/> New antenna construction <input checked="" type="checkbox"/> Alteration of existing antenna structure <input type="checkbox"/> Change in location		Facilities Requested  CH 217C2, 126 W(V), 565 m

1. Location of Antenna:

State Alabama	County Cleburne	City or Town near Oxford
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Exact antenna location (*street address*). If outside city limits, give name of nearest town and distance and direction of antenna from town.  
 Peak of Cheaha Mountain

Geographical coordinates (*to nearest second*). For directional antenna give coordinates of center of array. For single vertical radiator give tower location.

North Latitude	33 ° 29 ' 07 "	West Longitude	85 ° 48 ' 33 "
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2. Is the proposed site the same transmitter-antenna site of other stations authorized by the Commission or specified in another application pending before the Commission?  YES  NO

If Yes, give call sign: WCIQ (TV)

3. Has the FAA been notified of proposed construction?  YES  NO  
 If Yes, give date and office where notice was filed.

4. List all landing areas within 5 miles of antenna site. Give distance and direction to the nearest boundary of each landing area from the antenna site.

Landing Area	Distance	Direction
(a) <u>None</u>	_____	_____
(b) _____	_____	_____
(c) _____	_____	_____

5. Attach as Exhibit No. Eng. a description of the antenna system, including whether tower(s) are self-supporting or guyed. If a directional antenna, give spacing and orientation of towers.

Tower	#1	#2	#3	#4	#5	#6
Overall height above ground (include obstruction lighting)	meters	176				
	feet	578				
Overall height above mean sea level (include obstruction lighting)	meters	910				
	feet	2985				

6. Attach as Exhibit No. Eng a vertical plan sketch for the proposed total structure (including supporting building, if any) giving heights above ground in feet and meters for all significant features. Clearly indicate existing portions, noting lighting, and distinguish between the skeletal or other main supporting structure and the antenna elements.

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.

May 9, 1986



Louis R. du Treil, P. E.

Name

*Louis R. du Treil*

Signature (Check appropriate box below)

1200 18th Street, N. W., Suite 607

Address (include ZIP Code)

Washington, D. C. 20036

(202) 659-3055

Telephone No. (Include Area Code)

Technical Director

Registered Professional Engineer

Other (specify)

Technical Consultant

Chief Operator

*du Treil - Rackley*

Consulting Engineers • Washington, D.C.

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ENGINEERING EXHIBIT  
APPLICATION FOR CONSTRUCTION PERMIT  
TRINITY CHRISTIAN ACADEMY  
OXFORD, ALABAMA

May 9, 1986

CH 217C2

126 W(V)

565 M

ENGINEERING EXHIBIT  
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TRINITY CHRISTIAN ACADEMY  
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Certification of Louis R. du Treil, P. E.

ENGINEERING EXHIBIT  
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Engineering Statement

The engineering exhibit of which this statement is part was prepared on behalf of Trinity Christian Academy in support of an application for a new noncommercial educational FM station to serve Oxford, Alabama. The proposed station will operate on channel 217 with effective radiated power of 126 watts, vertically polarized, and antenna height above average terrain of 565 meters. The application is mutually exclusive with the application of Sable Community Broadcasting Corporation (File Number BPED-851003MB), which appeared on FCC Report No. A-110, with cut-off date of May 12, 1986.

The construction proposed herein would not constitute a major environmental action as defined by Section 1.1305 of the Commission's Rules since it is proposed to side mount on the transmitting antenna on an existing tower and radiofrequency exposure to humans resulting from the proposed FM station will be well below the ANSI C95.1-1982 guidelines. No increase in height of the existing tower is proposed. Notification to the Federal Aviation Administration is not required. The

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Engineering Statement  
Oxford, Alabama

instant application conforms with all applicable Federal Communications Commission rules and regulations. Specifications for the proposed operation are included herein as Figure 1.

Proposed Transmitter Location

The proposed single bay antenna will be side mounted on a steel, uniform cross-section, guyed tower which is presently employed by WCIQ(TV). The tower is located at the peak of Cheaha Mountain, which is located about 16 kilometers south of Oxford. A sketch of the proposed antenna and supporting structure is included herein as Figure 3. The proposed tower location is uniquely described by the following geographic coordinates which were obtained from the WCIQ(TV) application for license, BPET-525:

33° 29' 07" North Latitude

85° 48' 33" West Longitude.

The "Cheaha Mountain, Ala." quadrangle map showing the proposed site and vicinity is included herein as Figure 2.

The area immediately surrounding the transmitter location is undeveloped. No blanketing interference problems are expected. Except for WCIQ, there are no broadcast stations known to be located within two miles of the proposed site. No cross modulation problems are

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Engineering Statement  
Oxford, Alabama

expected between the WCIQ(TV) operation, which has its antenna top mounted on the tower about 33 meters above the proposed FM antenna.

Coverage Contours

The predicted coverage contours were calculated in accordance with the provisions of Section 73.313 of the Federal Communications Commission Rules and Regulations. No consideration was given to the terrain roughness correction factors.

The average elevations from 3 to 16 kilometers from the proposed site were obtained from the WCIQ(TV) engineering file (File No. BMPET-43). The standard eight radials evenly spaced at 45-degree intervals were used for determining the average elevations, and the distances to the coverage contours. This information is tabulated in Figure 4 of this exhibit. Figure 5 is a map showing the predicted 60 dBu contour.

The antenna radiation center height above average terrain in the individual radial directions and the effective radiated power were used in conjunction with the F(50,50) curves of Section 73.333 of the Federal Communications Commission Rules and Regulations to determine the distances to the normally protected 60 dBu contour. All interfering contours were calculated in the same fashion using the F(50,10) curves or the F(50,50) curves where the distance fell below 16 kilometers.

Engineering Statement  
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Allocation Considerations

With the exception of the Sable Community Broadcasting Corporation application, the proposal meets all required allocation standards with respect to existing and proposed stations and all separation requirements involving intermediate frequency interference. There will be no interference within the normally protected 60 dBu contour of the proposal, nor will the proposal cause objectionable interference to any existing or proposed stations. The allocation study is shown as Figure 6 herein. The distances to the contours of the stations shown are based upon actual terrain data obtained from each of the station's file. The data employed is tabulated in Figure 7 of this exhibit.

A detailed study of the potential interference to WBRC(TV), Birmingham, Alabama, was conducted based upon Section 73.525 of the Commission's Rules. Predicted interference will be limited to the sparsely populated Cheaha State Park, which surrounds the site. Calculations performed according to Section 73.525(e)(2) indicate 95 persons to be residing within the predicted interference area, which is well below the 3000 person limit.

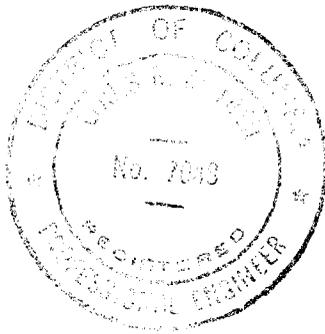
The predicted interference area was determined in the fashion outlined in Section 73.525(e) of the Commission's Rules. The area is shown in Figure 8 of this exhibit, which is a portion of the Alabama Census County Divisions map contained in the 1980 census report.

Engineering Statement  
Oxford, Alabama

A tabulation of the data employed in determining the population is included as Figure 9.

Determination of Population and Area

In order to determine the population within the 60 dBu contour, use was made of the 1980 census. The proposed 60 dBu contour was transferred to the Alabama census map and an enumeration was made of the population within the 60 dBu contour, assuming uniform distribution of the population within each town and urbanized area and uniform distribution of population within the remaining rural area. The land area within the proposed 60 dBu contour was determined by use of a polar planimeter taking into account the proper map scale factor.



*Louis R. du Treil*  
Louis R. du Treil, P. E.

May 9, 1986