

FINAL PROPOSAL

Student/Mentor Agreement

Senior Project

Class of 2006

St. Stephen's & St. Agnes School

1000 Saint Stephen's Road, Alexandria, Virginia 22304

(This form must be returned to your advisor by Monday, May 1st in order for your project to be accepted. Please submit it to your mentor early so that they have time to complete it thoroughly and return it to you.)

Student Name: CHRISTOPHER M. TRAHOS
Home Address: 6613 GOLDSBORO ROAD,
FALLS CHURCH, VIRGINIA 22042-4108

Home Phone: 703-534-0566

Email: mtrahos@pol.net

(Box to be filled out by Mentor)

Field of Interest: Telecommunications

Mentor's Name: Mr. Arlan van Doorn

Title: Consultant

Business Affiliation: Federal Communications Commission (FCC)

Business Address: 445 12th Street S.W., Washington, DC 20554

Phone: 703/244-8250

Email: vandoom@nova.com

How can we reach this senior in an emergency?

Student can be reached directly via cell phone at 703-400-3789.

• **Description of Proposed Project:** The historical restoration, to original specifications and operational status, of antique ~50 year old Vocaline Model JRC-400 & JRC-425 465MHz Citizens Band Class B transceivers. The student will first spend time visiting the museums of the Smithsonian Institute to see how antiques have been restored and placed on display. Next, the student shall research the history of the discontinued Citizens Band Class B Radio Service, at both the FCC and Library of Congress. Then the student shall restore several antique transceivers, such restoration to include the internal electronic components. Lastly, the student shall validate the restoration done by performing transmit and receive signal, live field, tests between the transceivers, pursuant to an Experimental Special Temporary Authorization (STA) license issued to the student by the FCC under Title 42 Code of Federal Regulations (CFR) 5.89(a). Upon completion, the entire project will be made available for public display.

This Senior will be spending approx. 6-8 hrs/day for 2 weeks with you, will the goals discussed in the Preliminary Proposal sufficiently occupy this students time?

YES ☒

NO ☐

Daily Schedule Begins: ~ 9 am Ends: ~ 3 - 5 pm Special dates/hours: After hours independent study

Student Signature: Christopher M. Trahos

Date: April 19, 2006

Mentor's Signature: [Signature]

Date: April 19, 2006

Please PRINT NEATLY requested the information, and submit the completed form to your advisor before noon on Monday, May 1st

[Signature]
APPROVED

NOT APPROVED

INCOMPLETE