

STATE OF CONNECTICUT

BOARD OF TRUSTEES FOR THE STATE COLLEGES 80 Pratt Street - Hartford, Connecticut 06103

AREA CODE 203 566-3040

MRS. BERNICE C. NIEJADLIK, CHAIRMAN JOHN F. ROBINSON, VICE-CHAIRMAN ERNEST A. JOHNSON, SECRETARY EXECUTIVE SECRETARY J. EUGENE SMITH

RESOLUTION

concerning

Acceptance of Gift to Southern Connecticut State College

from Mr. Perry Stevens

December 17, 1969

RESOLVED, That the Board of Trustees for Connecticut State Colleges accepts with sincere appreciation from Mr. Perry Stevens of Stuart, Florida, a gift to Southern Connecticut State College of the 47-foot twin diesel motor sailer, "Estrellita," built by the Williston Boat Works, North Carolina, and launched October 17, 1957.

December 23, 1969

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Mr. Perry Stevens P.O. Box 1073 Stuart, Florida 33494

Dear Mr. Stevens:

At a special meeting of the Board of Trustees for Connecticut State Colleges on December 17, 1969 a resolution accepting your very kind gift of the Estrellita to Southern Connecticut State College was adopted. A copy of the resolution is attached for your records.

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AN 16 (1997)

May I, on behalf of the Board, express our sincere appreciation to you for this wonderful gift. I am sure that Southern and other colleges of the Connecticut State College System will be able to make excellent use of the Estrellita in their oceanographic and ecological programs.

Sincerely,

W. F. Croft Associate Executive Secretary





SOUTHERN CONNECTICUT STATE COLLEGE NEW HAVEN

Gift of A Motor Sailor to SCSC

The Board of Trustees of the State Colleges is respectfully requested to accept with sincere appreciation from Mr. Perry Stevens of Stuart, Florida, a gift to Southern Connecticut State College of a forty-seven (47) foot twin diesel motor sailor "Estrellita".

Need For Such A Boat in the College's Instructional Program

At the present time the Science Division (Biology, Earth and Environmental Science Departments) offers twenty (20) different courses which require or would be materially improved by laboratory and field work utilizing a suitable boat of the "Estrellita" class. Secondary education majors preparing to teach science in high school as well as liberal arts science majors will benefit greatly from the field and laboratory studies so essential in today's collegiate programs.

The Departments have been handicapped by the restrictions that are imposed by the lack of a boat to take students and instructors to various locations on Long Island Sound, along the coast and on the rivers to collect specimens and make studies of various conditions. No amount of classroom lecturing and discussion will substitute for research and study of the actual situation. Related laboratory, clinical and field studies have become essential requirements in many courses and programs being offered by institutions of higher education. They not only are needed to extend, strengthen and improve the quality of learning but through such experiences bring real meaning to the student with many beneficial returns.

The cost, the inconvenience, and the almost impossibility of finding and hiring (\$200.00 per day) a suitable boat to transport students and instructors for their course connected with field studies not only is limiting the quality of present offerings but is holding back desirable expansion of the programs in Marine Biology, Marine Science, Earth Science and Environmental Science.

The present science offering of twenty (20) courses which would be materially improved by the utilization of a suitable boat to fulfill the requirements include:

Earth Science Department:

** E.S. 320 -	Introduction	to Marine	Science
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- * E.S. 421 Marine Geology
- ** E.S. 200 Principles of Geology
- * E.S. 321 Field Studies in Marine Science
- * E.S. 325 Stratigraphy and Sedimentation
- ** E.S. 120 General Geology
 - E.S. 430 Geology of Connecticut
 - E.S. 501 Geophysics
 - E.S. 512 Submarine Topography

E.S. 520 - Development of Land forms

E.S. 530 - Stratigraphy

E.S. 201 - Historical Geology

*** Courses which are taught every semester

* Courses which are taught during one semester every year.

Other courses listed are taught on a rotational basis, about once every two years.

Biology Department:

Bio. 229 - Invertebrate Zoology

Bio. 232 - Morphology of the Thallophytes

Bio. 327 - Field Natural History

Bio. 429 - Aquatic Biology

Bio. 500 - Ecology

Bio. 430 - Marine Biology

- Bio. 525 Ichthyology
- Bio. 536 Algae

Faculty Research:

R. Radulski - Water mass dispersal

J. Drobnyk - Recent sedimentation in Long Island Sound

P. Pellegrino - Marine ecology

The increasing demand for trained manpower in the field of marine life and environmental science is increasing the demand upon institutions of higher education to expand their instructional programs and research activities in these areas. It is hardly possible to pick up a newspaper or magazine, or turn on the TV set without finding an article calling attention to the problems of pollution and the protection of wild life.

The other three State Colleges --Central, Eastern and Western-have indicated a definite need to utilize the "Estrellita" whenever available and will pay their proportion of the operating cost in taking the boat out on the sound. **Boat Specifications:**

Twin Diesel Motor Sailor - Ketch Rigged Length: 47 feet Beam: 13 feet 6 inches Draft: 3 feet 6 inches Age: 12 years .. launched Oct. 17, 1957 Engines .. twin gray diesels - 6 cyl. 65 hp each Steel Keel Shoe Appraised market value is \$35,000.00 The estimated replacement cost is \$70,000.00 The boat is well built with the finest materials and well maintained. All metal parts are stainless steel, chrome or bronze.

Estimated Annual Operational Costs:

Dockage .		\$ 600. a year
Insurance	\$40,000 - Hull) \$500,000 - Liability)	900.
Maintenand	ce	1000.
Fuel and O	perational Costs	1000.
Part-time	Help\$4000 to	6000.
		\$9500.

Estimated Equipment Costs:

The College now owns a rowboat and has acquired, or is acquiring, any other equipment that will be needed.

Power Winch for Sampling - \$2000 now in Department budget.

A qualified appraiser has examined the "Estrellita" and has attested to its being constructed of excellent materials, sound and in splendid condition.

Hilton C. Buley President Dec. 17, 1969

Att - copy of Telegram " " Survey Report



1224A EST DEC 16 69 BA016 AA014

A FJA482 NF NL PDF TDFJ HOLLYWOOD FLO 15 ROBERT A RDULSKI

ASSISTANT PROFESSOR DEPT OF EARTH SCIENCES SOUTHERN CONNECTICUT STATE COLLEGE 504 CRESCENT ST NEW HAVEN CONN REGARDING SURVEY REPORT OF VESSEL ESTRELLITA WE HAVE INSPECTED MAIN ENGINES AND GENERATOR SET TEST RESULT ARE SATISFACTORY AND ALL THANKS AND PIPING ARE APPROVED, MASTS-SAILS AND RIGGING ARE SOUND, ELECTRIC SYSTEM AND ELECTRONIC AIDS TO NAVIGATION ARE APPROVED. DECKS ARE GOOD, BOTTOM, HULL AND GEAR AND CONTROLS ARE IN GOOD CONDITION, IN OUR OPINION VESSEL WITH FULLY MEET WILL)

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Telegram

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GLEN D CASTLE STATE LICENSE MARINE SURVEYER 31 SOUTHWEST 4 ST DANIA.

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PALM BEACH MARINE JURVEY COMPANY P. O. Box 12141 LAKE PARK, FLORIDA 33403

Date: December 11, 1969

Phone: VI8-2533

Houseboat 17 Deisel	MA KK	uxiliary /	7 Gasolin	e <u>[</u>] Sa	il Yach	it <u>/</u> 7 C	atama	ran <u>/</u> 7
		11111111	-deck; 2	-masts;	curve	d stem	t roui	nd stern.
Name of Boat: "ESTRE	LLITA	<u> </u>	Doc. $\#_{2}$	80888	F	$fla. #_$	None	2
Firm: Mr. Perry Ste	vens	·····	Loca	tion: P.	O.Box	1073 s	tuart.	<u>Florida</u>
Ashore /7 Aflost XA	Date	Dec. 6-7	/69 Gross	s Tons:	26.40	Net	Tons	21.0
Where Eauter: In be:	rth a	t Lowe's	Boat yard	i, Port	Saleri	o, Fl	orida.	
Owned By: Mr. Perr	<u>y ste</u>	vens	Addro	ess: <u>P.O.</u>	Box 10	<u>73, s</u>	tuart.	Florida
Length 181 Dog 11	Boat	Works	Date	1957		Two	Boat:	on, N.C.
Huil Construction: We		X Steel //	Dlywood	/7 Diad	tic //	Molde	d The	rd china mlank
Advertised or Estima	ted a	need of Va	cht Anni			O lan		<u>aa ontrie prant</u>
Does propeller extend	l belo	w keel or	skeg?	Vot obse	rved	<u>9 51</u>	0.65	
Make of Engine: Gray	arin	e (2)0il 1	H. P. Tot	al 130	Age	of En	gine (riginal
Serial # (Starboard]	1-1150	04	Seria	I # (Por	· i) H-	-11503	-	
Is Engine Equipped w	ith Ba	ckfire ar	cestor?		Car	b. Dri	p Pan'	
Fuel Tanks, Location	Aft f	in engine	comp. T	vpe Rect	ang.	Materi	ial <u>Pai</u>	nted black iron
Does overflow & airv	ent fr	om tanks	lead outbo	oard Yes	Ту	pe of	stove <u>I</u>	.P.Gas
Stove tank location At	Et coo	logitiow e	ngine cor	npart, v	entilate	d <u>6"d</u>	ia, st	and pipe vents
Does Ventilation com	oly wi	ith N.F.P	.A. Stand	lards?	Yes A	/ NO /	/lor	class and type
Name of Manufacture	n buil	t-in fire e	extinguish	er syste	m? <u> </u>	10 V	eignt_	
Tender, Description	i OI r)ttibe	ne exing	st Value	\$250 00	P	owered	d by O	utboard? Yes
server, Deserption	ailir	e dinchy	Js. varac_	42000		0		Seagull 2-3 hp.
	Not	Not	Excel-		· · · ·		Very	
	Obs.	Applic.	lent	Good	Fair	Poor	Poor	Comments
Bottom	See	comment						# 1.
<u>Hull Fittings</u>	See	Comment	and Reco	nmendat	ion #	þ.		# 2.
Struct, Strength of Hull, Frames, Etc.	а 1970 г. 1971 г.		XX					# 3.
Topside			XX					# 4.
Cabin Spaces/Galley			XX					# 5.
Bilge Spaces	See	Comment						# 6.
Pumping System	See	oomment						# 7.
Steering System	İ		XX				•	# 8,
Engine & Eng. Spaces	Sce	Comment					•	# 9.
Exhaust System	See	Comment						# 10.
Elect.System	See	Comment						# 11.
Fuel System/tanks	See (Comment						# 12.
Fire Extinguishers	See (Comment a	nd Recom	endatio	n # 2.	and the second		# 13.
Ventilation				XX				# 14.
Ground Tackle		1	vv					# 15.

PALM BEACH MARINE SURVEY COMPANY (Page two)

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LIST	AUXILIARY EQUIPMENT LIST ELECTRONIC EQUIPMENT
1 - Anchor W	inch. electric. 1 - Air compressor. 1 - Model DR9 Bendix depth recorder.
1 - Dual air	horn. 1 - Windshield washer. 1 - Walco ship to shore radio telephone,
1 - Refrigora	ation system. 1 - hand marine toilet. equipped for 10 crystals and standar
2 - vacuum w :	indshield wipers. proadcast.
2 - Electric	bilge pumps. 1 - Hand pilge pump. 1 - Apelco R.D.F. 8 crystals and stands
$1 - 3 K_{*}W_{*} d:$	iesel auxiliary generator. I - Wood Freeman automatic pliot.
2 - Main eng	ine generators, 12 volt. 1 - Automatic fog signal.
2 - Circulate	ors on main engine transmissions. 1 - Gas fume indicator.
1 - Air cond:	itioning system. 1 - Electrolysis indicator.
1 - Fresh wat	ter pressure system. Cont. **
Wate	ers to be navigated Vessel suitable for these waters? Yes
Do y	ou consider this vessel suitable for these Excellent at present,
Does	t its anchorage provide reasonable biological.
Isve	essel nauled out during lay up: Is vessel suitable?
Inte	nded service <u>License</u>
Capt	ain 10 Experience Ves
Own	er Operated Has been in past Enperied
W 111	vesser be used for charter, <u>nov used por</u> (as equipped)
Pres	Approximately \$70,000,00
Kebi	acement cost of approximation of a cost of the cost of
	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
** Electronic	c equipment - Cont. 1 - Apelco M8-11 depth indicator. 1 - Kelvin Hughes
Mel CA-1000	O Toran.
	Miscellaneous Fouipment
1 - S/S bow	rail, vessel equipped with full life rails, 1 - Roller reefing on main boom.
$2 - 16^{11}$ dia.	life rings, 1 - Aft cocknit steering station, 3 - Spare sets of propellers.
2 - Fnoine h	The stang 1 - Shood indicaton 1 - Wind volocity indicator 1 Pudder angle
indicaton]	Jur meters, I - Speed Indicator, I - Wind Verosity Indicator, I Rudder angle
Indicator. I	- constellation marine compass. I - Pilot seat. I - Portable search light.
L - Set of a	ocking lights. Vessel equipped with adequate spare parts. Vessel equipped
with adequate	e life saving equipment, navigation equipment, etc. 1 - Engine area electric
prover. 1 - 1	Pair of Pacific Coast type stablizers for anchorage or drifting.
	CORDENING
Commont # 1	The reseal is nononted to have been last hauled for better maintenance dur-
oommente # 1.	ing Max of this mean in town of towning Post Ward stated that the bottom
	Ing May OI this year, Mr. Lowe OI Lowe's Doat late stated that the bottom
	was found to be in good order at that time and required only standard main-
	tenance. Based on interior observations the bottom appeared in excellent
General II O	
comment # 2.	vessel noted to be equipped with gate valves thru out, see recommendation
	concerning valves at end of report. Shaft and rudder packing glands were
• • • • • •	noted to be in good order.
Comment # 3.	The structural strength of the vessel was noted to be excellent, vessel well
	framed, generally heavy construction, adequate longitudinal members, etc.
	No weakness evident, seams in good order, hull noted to be tight through out
Comment # 4.	Hullsides noted to be well finished, clean, no deterioration evident, etc.
	Exterior cabin surfaces well painted, clean, no deterioration evident.
Comment # 5.	Cabin spaces noted as follows:
	Rope locker contains the ships anchor rode and chain, area generally delean
	and in good order.
	Head located in forepeak, equipped with hand operated marine toilet, vanity.
	lavatory with hot and cold water, curtained shower, ample stowage apaces
	and lockers provided, etc.
	Forward stateroom located aft of head area. stateroom has berths for three-
	two starboard over and under and one port. ample stowage spaces and lockers
	provided below berths, area equipped with air conditioning delivery unit.

Survey Report, vessel "ESTRELLITA" Requested by, Mr. Perry Stevens (page three)

Comment # 6.	Bilge spaces were noted to be in good order, generally dry, clean, etc.
Comment # 7.	Bilge pumps were noted as follows:
	1 - Lovett automatic and manual located forward.
	1 - 14" dia. Jabsco, electric motor driven, located forward in engine comp.
fra set a si si si	$1 - \frac{1}{2}$ dia, hand operated bilge pump located aft in engine comp. Pump should
	be freed by way of plunger.
Comment # 8.	Sprocket and chain drive at wheel, solid shaft aft to rudder location, rudder
	linkage driven by sprocket and chain linkage. aft cockpit equipped with
	emergency steering hook up driven by sprocket and chain to quadrant.
$ _{\mathcal{L}^{2}(\mathbb{R}^{n})} = _{\mathcal{L}^{2}(\mathbb{R}^{n})} = _{\mathcal{L}^{2}(\mathbb{R}^{n})} = $	Condition of above system appeared to be excellent.
Comment # 9.	The general appearance of the main engines was noted to be good, generally
	free of oil and water leaks, etc. Engine spaces were noted to be generally
	in good order.
Comment $# 10$	• Exhaust systems constructed as follows:
an de la constante de la constante La constante de la constante de	Black iron pipe, rubber hose couplings, galvinized iron pipe aft to transom
	internal water cooled. condition of above appeared good.
Comment # 11	. Electrical system noted as follows:
	Ships power 32 yolts D.C. and 110 yolts A.C. Starting power 12 yolts D.C.
	Batteries consist of the following:
ter an ann an Anna Anna Anna Anna Anna Ann	2 - Starting banks of 2 - 6 volt lead acid. Ships power bank 4 - 8 volt
	lead acid, batteries appeared in good order, wiring appeared in good order.
	system well fused. etc.
Comment # 12	All exposed and visible surfaces of the vessel's fuel system appeared in
	good order, adequate filters, valves, etc.
Comment # 13	. Fire extinguishers noted as follows:
an a	1 - 5 lb. CO2 in forward head. $1 - 5$ lb. CO2 in galley area. $1 - 5$ lb. CO2
	port side of controls. 1 - 5 1b. CO2 in aft cockpit. Refer to recommendatio:
	number 2. at end of report.
Comment # 14	. The vessel's existing ventilation appeared adequate, vessel noted to be dry
	free of mildew. etc.
Comment # 15	. Ground tackle noted as follows:
	1 - 40 lb. Danforth anchor and 300' of 3/4" dia. Nylon anchor line.
	1 - 65 lb. Danforth anchor and 200' of 3/8" galvinized iron chain.
	Vessel equipped with full docking lines plus spare line.
Comment # 16	. The vessel's maintenance program appears to have been generally excellent
	to present date, vessel shows good care, etc.
Comment # 17	. Spars, sails, righing noted as follows:
	Main and mizzen masts are of solid spruce spar stock, booms are of solid
	spruce.
	Main boom equipped with roller reefer system.
	Standing rigging is of 1/4" stainless steel, turn buckles are of stainless
	steel.
	Winches are of plain bronze 5 - # 2 Merriman.
	Running rigging is of 3/16" stainless steel.
	Sails as follows: (based on inventory list).
an a	1 - Genoa; 1 - Working jib; 1 - Mizzen; 1 - Main; 1 - Storm jib. Sail area
	approximately 720 sq. foot. Material of sails Dacron. Sails equipped with
	full set of Dacron covers. Condition of masts and booms, running and stand-

Survey Report, vessel "ESTRELLITA" Requested by, Mr. Perry Stevens (page four)

Comment # 21. Deck hardware noted to be of chrome bronze, plain bronze and stainless steel, condition of above noted to be good. Comment # 22. The general overall condition of the vessel was noted to be sound, well built, well equipped, shows good past care, etc. The vessel is in more or less in a ready to go condition with exception to recommendations noted.

RECOMMENDATIONS

Recommendation # 1. All lower bilge area gate valves to be unshipped and examined for condition, could be accomplished at next hauling period. Recommendation # 2. Existing fire extinguishers to be checked and retagged.

	INITEDDEDADT	AENT MAH	DATE
			Uecember 16, 1969
	Dr. E Don Isman	DEPARIMENT Data at Jana	
	Dr. r. Don James	President	
м	Dendelinh O Amerili	DEPARTMENT	O Amba and Catanaa
	Randolph C. Aurell	Dean, School o	I Arts and Sciences
ECI			
	Proposed Acquisition of Boar	t - State Colleges	
	ре -		
	Acquisition of a suitable be	oat by the State Colleges as	shared laboratory
	facility would, according to	o the Chairmen of Department	s listed below,
	substantially improve the ra	ange and quality of instruct	ion in the following
	courses:		
0	Biology Department		
			V is the second seco
	xx Bio. 121 -	General Biology I	
	xx Bio 122 -	General Biology IT	•
	Tr Bio 211	Advanced Biology 11	
	xx Bio 221	Truentebrate 700100	
	\mathbf{x} \mathbf{x} \mathbf{B} \mathbf{i} \mathbf{a} \mathbf{c}	Ventobrate Zoology	
	$\frac{1}{2}$	Field Dieleman and Feel	
	$\sum_{i=1}^{N} \frac{D_{i}}{D_{i}} = \frac{D_{i}}{D_{i}} = \frac{D_{i}}{D_{i}}$	Fleid Blology and Ecold	
	$\mathbf{X} \mathbf{D10} 405 \mathbf{=} \mathbf{D1} \mathbf{D10} \mathbf{D10}$	Plant and Animal Ecolog	5 7
	$x \ blo. 445 - blo.$	Morphology of Plants	
	X B10. 440 -	Plant Geography	
	x Bio. 462 -	Developmental Biology	
	x Bio. 480 -	Animal Behavior	
	x Bio. 513 -	Environmental Biology	
	x Bio. 514 -	Selected Topics in Biol	Logy
	x Bio. 520 -	Topics in Ecology	
	x Bio. 521 -	Topics in Zoology	
	x Bio. 524 -	Topics in Cellular Biol	logy
	x Bio. 598 -	Research in Biology	
	Earth Sciences Department		
	xx E. Sci. 111 -	Introductory Earth Scie	nce
	xx E. Sci. 120 -	Earth Science	
	x E. Sci. 320 -	Meteorology	
	x E. Sci. 330 -	Hydrology	
	x E. Sci. 430	Oceanography	
	x Geol. 122	Physical Geology	
	r Geol 223 -	Historian] Geology	
	$\mathbf{x} \mathbf{Geol} \mathbf{\mu}11$	Principles of Stratigra	nhr
	\mathbf{x} Gool $h2h$	Gomomphal ant	(buy
		Geology Geomorphotogy	
		Montos in Dradas Set	
	x 901. 49V -	topics in rhysical Scie	
		Y 1	

xx Courses taught every semester. x Courses taught one semester each year.

Dr. F. Don James, President Page 2 December 16, 1969

History Department

Hist. 571

American Maritime History (alternate years)

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Geography Department

x	Geog.	120	- Economic Geography
x • : :	Geog.	256	- Maps and Map Reading
X	Geog.	272	- Physical Geography
X	Geog.	450	- Historical Geography
xx	Geog.	439	- Urban Geography
x	Geog.	441	- Community and Regional Planning
	Geog.	443	- Conservation (alternate years)
x	Geog.	330	- Geography of the U.S. and Canada
x	Geog.	459	- Summer Studies in Regional Geography
	Geog.	479	- Field Methods (alternate years)
	Geog.	598	- Research in Geography (alternate years)

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xx Courses taught every semester. x Courses taught one semester each year.

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RCA:pt

cc: Dr. Jestin

SOUTHERN CONNECTICUT STATE COLLEGE New Haven

The Science Departments (Biology, Earth and Environmental Science Divisions) for a number of years have been handicapped by the restrictions that are naturally imposed by the lack of a boat to transport them on the sound and rivers along the Connecticut coast. The cost, the inconvenience and the almost impossibility of finding and hiring (\$200.00) a suitable boat to transport students and instructors for their laboratory work in several classes have limited what could and should be done not only in the present offering but in the desirable expansion of the program.

The present science offering of twenty (20) courses which would be materially improved by the utilization of a suitable boat to fulfill the requirements include:

Earth Science Department:

- ** E.S. 320, Introduction to Marine Science
- * E.S. 421, Marine Geology
- **** E.S. 200**, Principles of Geology
 - * E.S. 321, Field Studies in Marine Science
 - * E.S. 325, Stratigraphy and Sedimentation
- ** E.S. 120, General Geology
 - E.S. 430, Geology of Connecticut
 - E.S. 501, Geophysics
 - E.S. 512, Submarine Topography
 - E.S. 520, Development of Landforms
 - E.S. 530, Stratigraphy
 - E.S. 201, Historical Geology
- **** Courses which are taught every semester**

* Courses which are taught during one semester every year Other courses listed are taught on a rotational basis, about once every two years.

Biology Department:

Bio. 229, Invertebrate Zoology

- Bio. 232, Morphology of the Thallophytes
- Bio. 327, Field Natural History
- Bio. 429, Aquatic Biology
- Bio. 500, Ecology
- Bio. 430, Marine Biology
- Bio. 525, Ichthyology
- Bio. 536, Algae

The anticipated development of a program in Environmental Science is expected to create an additional need for the boat, since it would cause an increased enrollment in several of the courses listed above, and may also be accompanied by the development of additional courses related to pollution studies.

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Faculty Research:

R. Radulski - Water mass dispersal

J. Drobnyk - Recent sedimentation in Long Island Sound

P. Pellegrino - Marine ecology

The increasing demand for trained manpower in the field of marine life and environmental science is increasing the demand upon institutions of higher education to expand their instructional programs and research activities in these areas. It is hardly possible to pick up a newspaper or magazine, or turn on the TV set without finding an article calling attention to the problems of pollution and the protection of wild life.

Boat Specification:	
Twin Diesel Motor Sailer - Ketch Rigged	
Length 47 feet	
Beam 13 feet 6 inches	승규는 승규는 말을 가 있는 것을 했다.
Draft 3 feet 6 inches	
Age 12 years - launched Oct. 17, 1957	
Engines - twin gray diesels - 6 cyl. 65 h.p Steel Keel Shoe	o. each
Appraised market value is \$35,000.00	
The estimated replacement cost is \$70,000	0.00
The boat is well built with the finest mater All metal parts are stainless steel, ch	ials and well maintained. from or bronze.
Projected Annual Operational Costs:	e e e
Dockage	\$ 600.00 a year
Insurance \$40,000 - Hull) \$500,000 - Liability)	
Maintenance	1,000.00
Fuel and Operational Costs	1,000.00
Part time Help	1,000.00
	\$4,500.00

Power Winch for Sampling \$2,000.00, now in Department Budget.

Hilton C. Buley President Dec. 12, 1969