### Stevens Institute of Technology Founder's Day Planning Kick-off Meeting, 19 June 2008

Combined Meeting Notes of A. Kaplan, '09 and W.R. Monsees, '71

#### **Attending:**

Tony Arturi, '59 (SAA, Past Honor Board Member)
Maria Cimillo (Exec. Assistant to Provost)
Gary Dobbins (HSAC member and Professor of Philosphy, CAL)
Ed Eichorne, '69 (SAA Pres.)
Andy Kaplan, '09 (SIT HB Chair)
George Korfiatis (SIT Provost and SIT VP)
Anita Lang (SAA Exec. Dir.)
Stephanie Mannino (Assistant Director University Communications)
Wayne Monsees, '71 (SAA)
Siva Thangam (SIT Professor and Dean, Academic Admin.)

#### **Discussion:**

Inaugurated last year, Founder's Day is an annual event to bring the various elements of the Stevens Community together. The initiation of the Stevens Honor System began on a class-by-class basis in 1906 and became formally adopted by the institute in a speech by then President Humphreys on Wednesday, December 9<sup>th</sup> 1908 for all classes.<sup>1</sup>

The focus of Founder's Day this year will be the celebration of the 100<sup>th</sup> Anniversary of the Honor System at Stevens Institute of Technology with a theme of "100 Years of Honor". Founder's Day will officially be Wednesday, February 11<sup>th</sup> 2008, but will encompass a full week of Honor System related activities beginning on the Sunday prior and ending on the following Saturday. There is to be a major event on Saturday. The ramp up of events and activities to the celebration week will begin with the start of the fall 2008 semester. The events and activities will highlight the continuous presence of the Honor System over the past 100 years at SIT and that the Honor System is a way to live and act, not just an examination time only process. The Provost's Office took the action to begin reserving the necessary facilities for the February 11<sup>th</sup> event.

A recently conducted survey showed the feelings and impressions of the Stevens community on the Honor System. The data resulting from this survey follows these notes and formal release of the summary of the survey is expected shortly. The survey's results raised concerns about the current implementation and operation of the Honor System. Discussions are currently under way to up date the Honor System processes. These updates will be worked over the summer and into the early fall. The presentation of the proposed updates to the Honor System process can be during the celebration week of Founder's Day and will be further discussed and commented upon during the spring.<sup>2</sup>

<sup>1</sup> See **Attachment B** (*The Stute*, February 25, 1956) for additional information regarding History of Honor System <sup>2</sup> See **Attachment A** (Honor System Survey and Tally Results (Draft Release) by the Honor System Advisory Council in conjunction with the Stevens Honor Board, and Prof. Don McCabe, Rutgers)

There will be three to four major events held from September through celebration week. The faculty, the students and the SAA will each take the lead in planning one of the events. Plans for the event should be available for discussion in late July or early August. One event will include attendance and participation of peer schools with similar Honor Systems.

In the early part of September, the senior faculty will host the new faculty to brief them on the Honor System history, its operation, and application. In addition, a faculty/student event, such as a wine and cheese party, could be hosted to provide an informal forum for interchange.

An Ethics Workshop will be conducted with participation by peer colleges. The College of Arts and Letters will lead the focus on ethics. A Philosophy Club debate could be part of or in addition to this.

The *Stute* will support the celebration process with a selected series of articles on the Honor System. These articles should include historical articles from early *Stute* editions as well as current articles, interviews, and letters to the editors from alumni, faculty, and students.

Contact with all current and former Honor Board members will be made via an e-letter to solicit comments on the Honor System (including requests for Letters to the Editors to be sent to The Stute) and support for the celebration. General publicity will be made using the SAA e-letter system and specific SIT web site or link.

Other SIT communications, such as the *Stevens News*, should consider special editions or articles. The communications process should include reference to and information on the Honor System survey conducted earlier in 2008. Communications that can be picked up by outside media, such as a video on the Honor System at Stevens and/or a video on the Honor System, its workings and philosophy, should also be considered.

#### Attachment A

Honor System Survey and Tally Results (Draft Release)

By the Honor System Advisory Council in conjunction with the Stevens Honor Board, and Prof. Don McCabe, Rutgers)

Conducted by Stevens Students in the spring 2009 semester through the assistance of members of the Honor Board, Student Government Association, Gear and Triangle, Alpha Pi Omega, STEP and Khoda.



## Honor System Survey

Spring 2008



1.	Understanding / Support
1a.	Student Prespective of Understanding & Support of the Honor System
1b.	Education about Honor System
1c.	Education about Accidemic Policy
1d.	Occurrence of Cheating
1e.	Witness of Cheating
1f.	Reporting of Cheating
2.	Specific Behaviors
2a.	Frequency of: (%)
2b.	How serious is: (%)
3.	Campus Culture
3a.	<u>Prespective</u>
3b.	Approval of Cheating
3c.	Reporting Report
4.	<u>Demographics</u>
4a.	Class Standing
4b.	<u>Gender</u>
4c.	<u>Major</u>
4d.	<u>Involvement</u>

#### NOTES:

STEVENS	Data was colected in class durring the Spring 2008 Semister at Stevens Institute of Technology (N=1,066)
National	Data was collected at 11 Schools across the nation durring the 2007-2008 accidemic year (N=6,042)
Honor Code	Data was collected at schools with Honor Systems in 2005 (N=2,731)

Data respresents a response rate of 53.95% (1,066/1,976) (Including students on Co-Op and otherwise enrolled but not on



## 1. Understanding / Support

1a.	Student Prespective of Understanding & Support of the Honor System										
		Very Low	Low	Medium	High	Very High					
STEVENS		10	19	40	23	9					
National	Your understanding of penalty										
Honor Code	system for Honor violations?										
STEVENS		7	15	35	32	12					
National		1	5	28	46	20					
Honor Code	Severity of penalties	1	7		49	43					
STEVENS		10	24	46	16	4					
National		4	16	33	34	14					
Honor Code	Student understanding of policy	3	20		50	28					
STEVENS		5	10	33	38	15					
National		1	2	16	45	36					
Honor Code	Faculty understanding of policy	<1	6		48	46					
STEVENS		14	26	42	14	5					
National		3	13	44	32	8					
Honor Code	Student support of policy	2	13		60	25					
STEVENS		5	12	38	33	13					
National		1	3	19	45	33					
Honor Code	Faculty support of policy	1	6		49	45					
STEVENS		12	21	43	19	5					
National		3	11	35	37	13					
Honor Code	Effectiveness of policy	3	18		57	23					



#### 1b. Education about Honor System

Have you been informed about the academic integrity policies on campus?

		Yes	No	
STEVENS	Have you been informed about	98%	2%	
National	the academic integrity policies	90%	10%	
Honor Code	on campus?	98%	3%	

How much have you learned about these policies from: (%)

		Learned little	Learned some	Learned a lot	
STEVENS		18	44	38	
National		32	47	21	
Honor Code	First Year Orientation	7	37	56	
STEVENS		63	30	8	
National		57	33	10	
Honor Code	Campus website	61	32	7	
STEVENS					
National		28	45	27	
Honor Code	Student handbook	22	50	29	
STEVENS		60	34	6	
National					
Honor Code	Admissions mailings				
STEVENS					
National	Program Counselor, Resident	50	32	18	
Honor Code	Advisor, etc.				
STEVENS		30	48	23	
National		52	37	11	
Honor Code	Other students	17	46	38	
STEVENS		22	48	30	
National		4	30	67	
Honor Code	Faculty	13	48	40	
STEVENS					
National		64	27	10	
Honor Code	Teaching Assistants				
STEVENS		53	34	14	
National		69	21	9	
Honor Code	Deans, other administrators				
STEVENS					
National		86	7	7	
Honor Code	Other	43	15	42	



#### 1c. Education about Accidemic Policy

In past year, how often, did your instructors discuss policies concerning:(%)

		Never	V. seldom	Seldom	Often	V often	
STEVENS		8	23	38	26	5	
National		3	12	28	36	21	
Honor Code	Plagiarism	6	19	38	28	9	
STEVENS		6	18	37	34	5	
National		6	15	30	36	13	
Honor Code	Group work/collaboration	6	17	35	33	9	
STEVENS		11	20	32	30	8	
National	Proper citation/referencing -	4	10	20	39	28	
Honor Code	written sources	4	12	27	38	19	
STEVENS		11	22	32	27	8	
National	Proper citation/referencing -	4	11	21	37	27	
Honor Code	Internet sources	7	17	30	32	14	
STEVENS		25	31	25	15	4	
National		21	19	25	22	13	
Honor Code	Falsifying/fabricating course lab	37	25	23	12	4	
STEVENS		25	31	25	15	4	
National	Falsifying/fabricating research	19	19	25	25	13	
Honor Code	data	35	24	23	14	5	

#### 1d. Occurrence of Cheating

How frequently do you think the following occur on campus?

		Never	V. seldom	Seldom	Often	V often	
STEVENS		6	37	38	14	5	
National	Plagiarism on written	2	25	48	20	5	
Honor Code	assignments	3	47	40	9	1	
STEVENS		4	22	36	24	15	
National	Inapprop. sharing in group	2	14	34	35	16	
Honor Code	assignments	2	23	40	28	7	
STEVENS		3	21	34	26	17	
National	Inapprop. sharing on individ.						
Honor Code	Assignments						
STEVENS		6	33	34	16	10	
National	Cheating during tests or	5	36	35	16	7	
Honor Code	examinations	9	54	28	7	3	

#### 1e. Witness of Cheating

How often, if ever, have you seen another student cheat during a test/exam? (%)

		Never	Once	Few times	Several times	Many times	
STEVENS	How often, if ever, have you	34	22		45		
National	seen another student cheat	54	14	23	7	3	
Honor Code	during a test/exam? (%)	76	11	11	2	1	

#### 1f. Reporting of Cheating

Have you ever reported another student for cheating?

		Yes	No	Not observed	
STEVENS		3%	59%	38%	
National	Have you ever reported another				
Honor Code	student for cheating?				
STEVENS	Have you ever reported another	5%	95%		
National	student for cheating? (of those	5%	95%		
Honor Code	who have witnessed)	2%	98%		



## 2. Specific Behaviors

2a.	Frequency of: (%)					
	How often have you	Never	Once	> Once	NA	
/ENS	j	87	5	3	5	
tional	Fabricating or falsifying a	83	7	2	8	
nor Code	bibliography.	89	7	3	2	
EVENS		39	24	33	4	
tional	Working w/ others when asked	56	18	20	6	
nor Code	for individual work.	72	15	11	3	
EVENS		49	19	28	4	
itional	Working w/ others electronically	74	9	10	7	
nor Code	on individual work.					
VENS		70	15	12	3	
itional	Getting Q/A from someone who	73	13	11	3	
nor Code	has already taken test.	89	7	3	1	
EVENS		69	14	10	7	
tional	Copying another student's	68	4	2	27	
nor Code	computer program.	64 Nover	3 Onco	2 > Once	31 <b>NA</b>	
EV/ENIC		Never 82	Once			
EVENS tional	Helping someone else cheat on	88	<u>8</u>	7 3	3	
onor Code	a test.	93	4	2	1	
EVENS	a test.	72	14	9	5	
ational	Fabricating or falsifying	68	6	3	23	
onor Code	lab/research data.	66	9	5	20	
EVENS	iday research data.	86	7	6	1	
tional	Copying during test with other's	90	4	2	3	
nor Code	knowledge.	97	1	1	1	
EVENS		89	6	4	1	
ational	Copying during test w/o other's	89	6	3	3	
onor Code	knowledge.	92	5	2	1	
ΓEVENS		91	5	2	2	
ational	Getting help electronically	90	4	2	3	
onor Code	during an exam.					
		Never	Once	> Once	NA	
EVENS		64	18	15	3	
ational	Receiving unpermitted help on	76	12	8	4	
onor Code	an assignment.	73	17	9	1	
TEVENS		54	22	23	1	
lational	Copying another student's	72	14	12	3	
onor Code	homework.					
TEVENS		74	13	10	3	
lational	Copying few sentences from	69	15	11	5	
onor Code	written source w/o citing.	69	18	12	1	
ΓEVENS		67	18	12	3	
lational	Copying from electronic source	68	17	11	4	
onor Code	w/o footnoting.	66	20	13	1	
TEVENS		95	2	2	2	
lational	Turning in paper previously					
nor Code	written by other student.					

		Never	Once	> Once	NA	
STEVENS		96	2	1	2	
National	Turning in paper purchased	93	2	<1	4	
Honor Code	from term paper "mill".	98	<1	<1	1	
STEVENS		84	10	5	2	
National	Using unpermitted crib notes	90	5	3	3	
Honor Code	during test.	94	4	1	1	
STEVENS		83	9	6	2	
National	Using electronic crib notes	91	4	2	3	
Honor Code	during test.	95	2	1	2	
STEVENS		92	5	2	2	
National	Using electronic device as	94	1	1	3	
Honor Code	unauth. aid during exam.					
STEVENS		93	4	2	1	
National	Copying material, word for	93	3	1	3	
Honor Code	word, from written source.	97	2	1	1	
		Never	Once	> Once	NA	
STEVENS		89	6	3	2	
National	Turning in paper copied from	92	4	1	3	
Honor Code	another student.	97	2	<1	1	
STEVENS		82	13	5	2	
National	Using false excuse to obtain	82	10	5	3	
Honor Code	extension.	80	13	7	1	
STEVENS		92	4	3	1	
National	Turning in work done by	94	3	1	2	
Honor Code	someone else.	97	1	1	1	
STEVENS		86	7	4	2	
National	Cheating on a test in any other	88	6	2	4	
Honor Code	way.	91	6	2	2	
STEVENS		62	16	21	1	
National	Falsifying attendance sheet or					
Honor Code	seating chart.					

2b.	How serious is: (%)					
	How serious is	Not Cheating	Trivial Cheating	Moderate Cheating	Serious Cheating	
STEVENS		18	43	30	9	
National	Fabricating or falsifying a	8	32	37	23	
Honor Code	bibliography.	4	37	42	18	
STEVENS		30	47	19	4	
National	Working w/ others when asked	20	45	26	9	
Honor Code	for individual work.	5	33	45	18	
STEVENS		28	48	19	5	
National	Working w/ others electronically	19	45	27	9	
Honor Code	on individual work.					
STEVENS		14	21	36	29	
National	Getting Q/A from someone who	9	16	30	46	
Honor Code	has already taken test.	2	5	21	73	
STEVENS		10	19	39	32	
National	Copying another student's	5	8	32	55	
Honor Code	computer program.	2	7	30	61	
		Not Cheating	Trivial Cheating	Moderate Cheating	Serious Cheating	
STEVENS		11	10	29	50	
National	Helping someone else cheat on	4	5	18	73	
Honor Code	a test.	2	3	17	79	
STEVENS		16	36	33	15	
National	Fabricating or falsifying	6	21	37	35	
Honor Code	lab/research data.	3	22	42	33	
STEVENS		10	8	23	59	
National	Copying during test with other's	4	4	14	78	
Honor Code	knowledge.	1	1	10	88	
STEVENS		10	5	19	65	
National	Copying during test w/o other's	4	2	11	83	
Honor Code	knowledge.	1	1	6	92	
STEVENS		10	9	27	54	
National	Getting help electronically	4	3	14	79	
Honor Code	during an exam.	Not Cheating	Trivial Cheating	Moderate Cheating	Serious	
STEVENS		18	40	30	12	
National	Receiving unpermitted help on	11	31	38	21	
Honor Code	an assignment.	3	26	49	22	
STEVENS	an assigninent.	9	32	49	18	
National	Copying another student's	7	28	36	30	
Honor Code	homework.		20	30	30	
STEVENS	nomework.	16	35	32	16	
National	Conving four containers from	8	28	38	26	
Honor Code	Copying few sentences from written source w/o citing.	4	26	36 46	25	
	written source w/o citing.	16	37	31	15	
STEVENS National	Conving from electronic source	8	26	37	29	
Honor Code	Copying from electronic source w/o footnoting.	4	27	43	26	
	w/o loothottig.					
STEVENS	Turning in paper previously	10	6	21	62	
National	written by other student.					
Honor Code	written by other student.					

		Not Cheating	Trivial Cheating	Moderate Cheating	Serious Cheating	
STEVENS		11	5	16	69	
National	Turning in paper purchased	4	2	9	85	
Honor Code	from term paper "mill".	1	1	9	89	
STEVENS		10	11	31	48	
National	Using unpermitted crib notes	4	5	20	71	
Honor Code	during test.	1	2	13	84	
STEVENS		10	15	30	45	
National	Using electronic crib notes	4	5	21	70	
Honor Code	during test.					
STEVENS		11	13	31	45	
National	Using electronic device as	4	6	23	67	
Honor Code	unauth. aid during exam.	2	3	20	75	
STEVENS		10	8	26	56	
National	Copying material, word for	4	3	14	79	
Honor Code	word, from written source.	1	1	7	91	
					C!	
		Not Cheating	Trivial Cheating	Moderate Cheating	Serious Cheating	
STEVENS						
STEVENS National	Turning in paper copied from	Cheating	Cheating	Cheating	Cheating	
	Turning in paper copied from another student.	Cheating 10	Cheating 13	Cheating 35	Cheating 42	
National		Cheating 10 4	Cheating 13 4	Cheating 35 25	Cheating 42 66	
National Honor Code		Cheating 10 4 1	Cheating 13 4 1	35 25 14	42 66 83	
National Honor Code STEVENS	another student.	10 4 1 20	13 4 1 34	25 14 29	Cheating	
National Honor Code STEVENS National	another student.  Using false excuse to obtain	10 4 1 20 13	Cheating  13  4  1  34  23	25 14 29 33	Cheating	
National Honor Code STEVENS National Honor Code	another student.  Using false excuse to obtain	10 4 1 20 13 8	Cheating  13  4  1  34  23  31	Cheating  35  25  14  29  33  39	Cheating	
National Honor Code STEVENS National Honor Code STEVENS	another student.  Using false excuse to obtain extension.	10 4 1 20 13 8 11	Cheating  13  4  1  34  23  31  11	Cheating  35  25  14  29  33  39  27	Cheating	
National Honor Code STEVENS National Honor Code STEVENS National	Using false excuse to obtain extension.  Turning in work done by	10 4 1 20 13 8 11 5	Cheating  13  4  1  34  23  31  11  4	Cheating  35  25  14  29  33  39  27  20	Cheating  42  66  83  16  31  22  51  71	
National Honor Code STEVENS National Honor Code STEVENS National Honor Code STEVENS National Honor Code	Using false excuse to obtain extension.  Turning in work done by	Cheating  10  4  1  20  13  8  11  5  1  10  5	Cheating  13  4  1  34  23  31  11  4  2  11  6	Cheating  35 25 14 29 33 39 27 20 11 31 23	Cheating  42 66 83 16 31 22 51 71 87 48 66	
National Honor Code STEVENS National Honor Code STEVENS National Honor Code STEVENS	using false excuse to obtain extension.  Turning in work done by someone else.	Cheating  10  4  1  20  13  8  11  5  1  10	Cheating  13  4  1  34  23  31  11  4  2  11	Cheating  35  25  14  29  33  39  27  20  11  31	Cheating	
National Honor Code STEVENS National Honor Code STEVENS National Honor Code STEVENS National Honor Code	another student.  Using false excuse to obtain extension.  Turning in work done by someone else.  Cheating on a test in any other	Cheating  10  4  1  20  13  8  11  5  1  10  5	Cheating  13  4  1  34  23  31  11  4  2  11  6	Cheating  35 25 14 29 33 39 27 20 11 31 23	Cheating  42 66 83 16 31 22 51 71 87 48 66	
National Honor Code STEVENS National Honor Code STEVENS National Honor Code STEVENS National Honor Code	another student.  Using false excuse to obtain extension.  Turning in work done by someone else.  Cheating on a test in any other	Cheating  10 4 1 20 13 8 11 5 1 10 5 2	Cheating  13 4 1 34 23 31 11 4 2 11 6 3	Cheating  35 25 14 29 33 39 27 20 11 31 23 25	Cheating  42 66 83 16 31 22 51 71 87 48 66 70	



### 3. Campus Culture

#### 3a. Prespective

How strongly do you agree or disagree with the following statements? (%)

		Disagree strongly	Disagree	Not sure	Agree	Agree strongly	
STEVENS		13	34	26	20	7	
National	Cheating is a serious problem on	10	35	43	10	3	
Honor Code	campus.	25	42	26	6	1	
STEVENS		7	10	47	32	4	
National	Investigation of suspected	3	7	57	28	4	
Honor Code	cheating is fair.	3	7	42	37	12	
STEVENS		11	24	24	35	6	
National	Students should monitor other's	16	32	33	35	5	
Honor Code	integrity.	8	22	21	37	12	
STEVENS		7	20	34	34	5	
National	Faculty report suspected cases	2	12	35	41	10	
Honor Code	of cheating.	2	12	34	42	11	
STEVENS		9	16	22	41	12	
National	Faculty change exams, etc.	3	11	28	43	15	
Honor Code	regularly.	2	11	33	40	15	
		Disagree		Not	_	Agree	
		strongly	Disagree	sure	Agree	strongly	
STEVENS		9	20	18	45	8	
National		3	11	12	59	15	
Honor Code	Amount of work is reasonable.						
STEVENS		9	19	19	47	7	
National	Degree of course difficulty	3	10	13	59	15	
Honor Code	reasonable.						
STEVENS		10	20	24	41	5	
National	Assessments effective in	4	11	16	59	11	
Honor Code	evaluating learning.						
STEVENS							
National		3	11	15	60	12	
Honor Code	Assessments help me learn.						

#### 3b. Approval of Cheating

If you cheated in a class, how strongly would the following disapprove? (%)

		Very strongly	Fairly strongly	Not very strongly	Not at all	
STEVENS		13	25	38	24	
National		27	29	29	15	
Honor Code	A close friend					
STEVENS		9	28	46	18	
National		17	33	39	12	
Honor Code	Acquaintance/another students					
STEVENS		58	29	9	4	
National		76	17	4	3	
Honor Code	Your parents					

3c.	Reporting					
	How likely is that: (%)	Very Unlikely	Unlikely	Likely	Very Likely	
STEVENS		38	43	16	3	
National	You'd report an incident of	23	47	24	6	
Honor Code	cheating you observed?	12	44	34	10	
STEVENS		28	53	16	3	
National	The typical student would report	24	59	16	2	
Honor Code	an incident?	8	45	40	7	
STEVENS		82	14	3	2	
National	A student would report a close	79	17	3	1	
Honor Code	friend?	59	32	8	1	

	Have you ever reported cheating	g?			
		Yes	No	Not observe	d
STEVENS		3%	77%	20%	
National	Have you ever reported				
Honor Code	cheating?				
STEVENS	Have you ever reported	4%	96%		
National	cheating? (of those who have	5%	95%		
Honor Code	witnessed)	2%	98%		
	If yes, reported it to:	TA	Profesor	HB Advisor	
	Have you ever reported				
STEVENS	cheating?	45%	59%	17%	
		Online	HB Mem.	HB Mem.	
	If yes, reported it to:	Form	In Person	via eMail	
	Have you ever reported				
	cheating? (of those who have				
STEVENS	witnessed)	21%	31%	17%	
		Unaware	Penility	Penility	
	If did not report incident, why?		too Harsh	•	
	Have you ever reported				
STEVENS	cheating?	29%	32%	4%	
		Too Hard	Akward	Cheating No	t
	If did not report incident, why?	to Prove	Situation	Severe Enou	ıgh
	Have you ever reported				
	cheating? (of those who have				
STEVENS	witnessed)	43%	41%	45%	



### 4. Demographics

#### 4a. Class Standing

Class Standing - Four Year Program

First year 30% Soph 16% Junior 29% Senior 26%

**Class Standing - Five Year Program** 

First year 30% Second 11% Third 9%

Fourth 27% Fifth 23%

# 4b. Gender Gender Female Male STEVENS 29% 71% National Have you ever reported cheating? 65% 35% Honor Code cheating? 71% 29%

4c.	Major			
	Major:			
	Business & Technol.	17%	Mechanical Eng'g.	21%
	Civil Engineering	13%	Biomedical Eng'g.	11%
	Electrical Eng'g.	8%	Chemistry, Biology	6%
	Computer Eng'g.	6%	Engineering Mgt.	5%
	Chemical Eng'g.	4%	Computer Science	3%
	Other	6%		

4d.	Involvement					
		Do not partic.	1 to 9 hours	10 to 19 hours	20 or more hrs.	
STEVENS		45	29	16	10	
National		35	17	22	27	
Honor Code	Paid employment	37	40	20	4	
STEVENS		73	22	2	2	
National		82	5	1	12	
Honor Code	Care for dependent	98	2	<1	<1	
STEVENS		64	15	14	7	
National		66	24	6	3	
Honor Code	Fraternities/sororities					
STEVENS		40	47	10	4	
National						
Honor Code	Student organizations					
STEVENS						
National						
Honor Code	Social fraternity/sorority/club	42	41	13	4	
STEVENS		66	8	12	14	
National						
Honor Code	Athletic teams	86	3	6	6	

## HONOR SYSTEM SURVEY



STEVENS INSTITUTE OF TECHNOLOGY (IN CONJUNCTION WITH PROF. DON McCabe, RUTGERS)

The Following Survey is voluntary and all data is anonymous. Data will be collected by the Honor System Survey Committee, and forwarded to Dr. Don McCabe, founding member of the Center for Academic Integrity.

When Completed Please Return to the Howe Center Lobby

SECTIO	N 1 - ACADEMIC ENV	TRONMENT							
1. Have	1. Have you been informed about the Stevens Honor System? (Circle One)								
	(YES)	(NO)							
				Learned Little	Learned A Lot				
1a. If yes	, where and how much	have you learned about the	System? (Chec	k all that apply.)					
Pre-Enroll	lment (Admissions) Maili	ngs							
Eirct voor	orientation program								

ia. If yes, where and now mach have you rearried about the cystem. (Check	t all that apply.)		
Pre-Enrollment (Admissions) Mailings			
First-year orientation program			
Campus website			
Other students			
Faculty or TA's - e.g., discussed in class, or course syllabi			
Dean or other administrator			
Other (please specify):			
	•	•	

How often, if ever, have you seen another student(s) cheating during a test or examination at Stevens? (Circle One)
 (Never)
 (Once)
 (Several Times)

	Never	Very Seldom	Seldom / Sometimes	Often	Very Often
3. In the past year, how often, on average, did ye	our instruc	tors discuss polic	ies concerning:		
Plagiarism					
Guidelines on group work or collaboration					
Proper citation/referencing of written sources					
Proper citation/referencing of Internet sources					
Falsifying/fabricating course lab/ research data					
4. How frequently do you think the following oc	cur at Stev	vens?			
Plagiarism on written assignments.					
Inappropriately sharing work in group assignments					
Inappropriately sharing work in individual assignments					
Cheating during tests or examinations.					

	Very Low	Low	Medium	High	Very High
5. How would you rate:					
Your understanding of the penalty system for violations of the Stevens Honor System?					
The severity of penalties for cheating at Stevens?					
The average student's understanding of campus policies concerning student cheating?					
The faculty's understanding of these policies?					
Student support of these policies?					
Faculty support of these policies?					
The effectiveness of these policies?					

6. For each action, please mark how often in the past year you have engaged in it, and how serious you believe it to be.  NOTE - If a question does not apply to any of the		YOU EN	the PAST Y GAGED IN t wing?		How	How Serious is each Behavior		
courses you took in the last year, please check the 'N/A' column.	Never	Once	More than Once	N/A	Not Cheating	Trivial Cheating	Moderate Cheating	Serious Cheating
Fabricating or falsifying a bibliography.								
Working on an assignment with others (in person) when the instructor asked for individual work.								
Working on an assignment with others (via email or Instant Messaging) when the instructor asked for individual work.								
Getting questions or answers from someone who has already taken a test.								
Copying another student's program rather than writing your own.								
Helping someone else cheat on a test.								
Fabricating/Falsifying lab/research data.								
Copying from another student during a test with his or her knowledge.								
Copying from another student during a test without his or her knowledge								
Using technology (such as text messaging) to get unpermitted help during a test.								
Receiving unpermitted help on an assignment.								
Paraphrasing or copying from a <b>book</b> , <b>magazine</b> , <b>or journal</b> without footnoting them in a paper.								
Paraphrasing or copying from an electronic source - e.g., the Internet - without footnoting them in a paper.								
Copying another student's homework.								
Turning in a paper previously written by another student as your own work.								
Submitting a paper purchased or obtained from a Web site and claiming it as your own work.								
Using unpermitted handwritten crib notes (or cheat sheets) during a test or exam.								
Using electronic crib notes (stored in PDA, phone, or calculator) to cheat on a test or exam.								
Using an electronic/digital device as an unauthorized aid during an exam.								
Copying material, almost word for word, from any written source and turning it in as your own work								
Turning in a paper copied, at least in part, from another student's paper, whether or not the student is currently taking the same course.								
Using a false or forged excuse to obtain an extension on a due date or delay taking an exam.								
Turning in work done by someone else.								
Cheating on a test in any other way.								
Falsifying, or asking someone to falsify an attendance sheet or seating chart								
	Never	Once	More than Once	N/A	Not Cheating	Trivial Cheating	Moderate Cheating	Serious Cheating

	Very Unlikely	Unlikely	Likely	Very Likely
7. How likely is it that:				
You would report an incident of cheating that you observed?				
The typical student at Stevens would report such violations?				
A student would report a close friend?				

	Very strongly	Fairly strongly	Not very strongly	Not at all			
8. If you had cheated in a course and the following individuals knew about it, how strongly would they disapprove?							
A close friend							
One of the students you go around with							
Your parents							

	Disagree Strongly	Disagree	Not Sure	Agree	Agree Strongly
9. How strongly do you agree or disagree with the following staten	nents?				
Cheating is a serious problem at my school.					
The investigation of suspected incidents of cheating is fair and impartial at my school.					
Students should be held responsible for monitoring the academic integrity of other students.					
Faculty members are vigilant in discovering and reporting suspected cases of academic dishonesty.					
Faculty members change exams and assignments on a regular basis.					
The amount of course work I'm expected to complete is reasonable for my year level and program.					
The degree of difficulty in my exams and assignments is appropriate for my year level and program.					
The types of assessment used in my courses are effective at evaluating my level of understanding of course concepts.					

#### 10 . Have you ever reported cheating? (Circle One)

(Yes) (No) (Have Not Witnessed Cheating)

10a. If Yes: (Check all that ap	ply)
Whom did you report it to?	
Teaching Assistant	
Professor	
Honor Board Advisor	
Honor Board member via eMail	
Honor Board member in person	
Online Reporting Form (Honor Board's Website)	
Other:	

10b. If No: (Check all that apply)	
Why did you choose not to report it?	
Unaware of how	
Didn't think Cheating was sever enough to report	
Felt that the penalty rendered would be too harsh	
Felt that the penalty rendered would be too lenient	
Felt situation was too hard to prove, and/or there was not enough evidence	
Would have created an awkward social situation – i.e. Were friend/roommate/close to cheating student	
Other:	

SECTION 3 - DEMOGRAPHICS				
11. Have you previously submitted a copy of this survey?			(No)	
12. What is your academic class standing?			of	
13. What is your Gender?			(Femal	e)
14. What are your academic major(s)?				
(Biomedical Engineering)	(Biomedical Engineering) (Civil Engineering)			ical Engineering)
(Computer Engineering)	(Computer Engineering) (Electrical Engineering			eering Management)
(Environmental Engineering)	(Mechanical Eng	jineering)	(Naval	Engineering)
(CS or related)	(Math)		(Chem	istry & Chem./Bio)
(Physics)	(Business & Tec	hnology)	(Huma	nities)
	Do Not Participate	1-9 Hours	10-19 Hours	More Than 19 Hours
15. If you actively participate in any of the foll average week.	owing, please tell us a	bout how much	time you spend	on each activity in an
Paid Employment				

15. If you actively participate in any of the following, please tell us about how much time you spend on each activity in an average week.							
	llowing, please tell us a	llowing, please tell us about how much	llowing, please tell us about how much time you spend				

#### **SECTION 4 - FREE RESPONSE**

16. What specific changes would you like to see Stevens make to promote the Honor System?

17. Please use this space for any comments you care to make, or if there is anything else you would like to tell us about honor or academic integrity at Stevens.

### **Attachment** B

The Stute, February 25, 1956

From The Stute Archives, as found by past Editor-in-Chief Michel Lutkenhouse

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Vol. Lill No. 16

CASTLE POINT, HOBOKEN, N. J., FEBRUARY 25, 1956

Subscription \$2.50 per Year

# Honor System Marks Golden Anniversary Exemplifies A Spirit Of Honesty & Integrity

THE HONOR SYSTEM

"The President has approved the following sentence with, regard to a violation of the Honor System in Term V Organic Chemistry: That he be given an "E" in the course and that he be suspended from the Institute for a period of fifteen weeks beginning February 6, 1956."

If a notice of this type appears? in the STUTE, most readers glance any reason you are unable to apover it quickly, and then pass on pear, notify the Chairman of the to the sports page, not thinking Honor Board so that another time too much of what has occurred be- may be arranged. fore the printing of such a notice.

Before notice of a sentence appears, the Honor Board has spent hours combing through all possible evidence to determine the guilt or innocence of a suspected violator notice of the suspected violation is of the Honor System.

charged with investigating all sus- dent's transcript until the case is pected violations, is composed of decided, and the sentence. if any. thirteen men. Each class elects fulfilled. This prevents a guilty three men, and the thirteenth student from transferring to anmember is the Student Council's other school without being punished representative. In addition, one for his violation. student in each section is designated as a Section Delegate, and the testimony of all persons conis charged with maintaining the cerned, including the alleged vio-Honor System in his section.

#### Board's Work Begins

when a suspected violation is re- investigation, the accused student ported. Violations may be reported is informed by the committee that in any of three ways. They may he is under suspicion. He is conbe reported by students who feel fronted with the evidence and asked that another student's actions are if he is guilty as charged, and if unexplainable and possibly a viola- not, whether he has a reasonable tion, and that therefore he is be- explanation for his actions. The traying their trust in him. They committee deliberates over the teswould more than likely warn him timony of the accused and the witthat they feel his actions are a nesses, considering only evidence violation of the Honor System. If which it believes to be reliable, and he is unable to provide a reason- then submits a recommendation to able explanation, they will watch the Honor Board. him for further possible violations. Honor Board for investigation.

to the Honor Board by an instructor who, while correcting a quiz, notices a more than reasonable similarity between two students' to trial, the Chairman must explain papers. The instructor will ask the to the accused the action taken by students concerned to explain the the Honor Board, ask for a written similarity, and if no reasonable ex- statement of his plea, and inform planation is given, he will notify him of his rights during the trial. the Honor Board of the situation.

reach the Honor Board is through Board, in the following manner. the man who will voluntarily re- The judge is the Chairman of the essary for the proper funcport a violation which he has com- Honor Board, who up until this tioning of the Honor System, mitted, even though no one is time has taken no active part in the students themselves eithaware of it but himself.

When the Honor Board receives Honor Board acts as clerk, and is notice of a possible violation, the responsible for an accurate record happy to say that they have Chairman appoints an investigat- of all proceedings. The chairman "made it." ing committee consisting of four of the original investigation comexperienced upperclass members of mittee usually acts as prosecutor. meant much to the Institute the Honor Board. This committee With the assistance of the other and its alumni over these fifty must complete its investigations members of the committee, he within two weeks after receiving draws up the evidence against the years. As this tradition is word of a violation. However, the accused, and presents it at the

tion, the secretary of the Honor in this capacity. A jury of twelve turned over to the jury for a ver- aminations, and makes sure there and stated simply that all work the Honor System, and that the Board will send notices to all stumen, three from each class, is dict. Unanimous agreement of the is a representative in each exam-would be done without the surveil-voting be by secret ballot. dents who may possibly have inchosen at random from the student jurors is required for a verdict. If ination room. In addition, the lance of the faculty. Each student At the next meeting of the Class, formation pertinent to the case, body. Both defense and prosecut- a man is found innocent, he may Honor Board also specifies that pledges himself as to neither give on April 17, the matter finally including the student who has been ing counsels may reject any man not be retried for the same offense. smoking, talking, and eating in the nor receive help of any kind nor came to a vote, the result being 16 accused. Each of the students is so selected if they feel he is not If a man is found guilty, the exam rooms, and any other actions to use outside sources without against and 54 in favor, which was

mittee of the Honor Board on

at . .....

Sincerely,

#### Secretary, Honor Board **Investigating Committee**

At the start of investigation, a sent to the Dean's Office. This office The Honor Board, which is will not release the suspected stu-

The investigation committee hears lator. Extreme care is exercised to obtain an unbiased view of the The Honor Board's work begins entire situation. After preliminary

If the Honor Board feels that the case to trial, or refer it to A case may also be handed over committee for further investiga-

#### Trial by Jury

If it is decided to bring the case

The trial is conducted in accord-

A third way for a violation to ance with the by-laws of the Honor the case. The secretary of the er "make or break it." I am You will kindly points the Chairman of the Honor has the final word on the case.



## Pres. Davis' Message

they will refer the matter to the do one of two things. It may bring of the Fiftieth Anniversary while idea. of the founding of the Honor System at Stevens.

It is important on this occasion that we accord full credit for the success which the Honor System has enjoyed at Stevens for fifty years, to those people who are truly responsible: the Stevens students. While the cooperation of the faculty and staff is nec-

The Honor System has

As President of the Stevens handed down year by year, I Board of Control. It is the duty Institute of Technology, I ex- hope that the student body of the Board of Control to inter- can be roughly outlined as follows: tend my heartiest congratula- will supply the wholehearted pret the constitution for the stutions to the Honor Board and interest and support essential to the alumni and students of to the continued effective op- brought before it. It must consider Professors in charge to leave the If he continues in these actions, there has been a violation, it may the Institute on the occasion eration of this very worth- all the cases and make suitable students to themselves, but to be



Jess H. Davis President

case. The Dean of the college or sentence to the President of the dents are prohibited. his representative is permitted to college, who issues the sentence if While the Honor System in gen-

the President of the College. If for he feels are necessary for presen-homework, and reports. It is also fair advantage over another.

Chairman may grant an extension trial. The accused is allowed to tation of his case. Cross examina-responsible for the conduct of exof the time interval when neces- represent himself as counsel for tion follows. After all evidence has aminations. In connection with this, the defense, or he may appoint any been presented, each attorney pre- the Honor Board each term makes Prior to the start of investiga- member of the student body to act sents a summation, and the case is up seating lists for the final exsummoned by the following notice: qualified to sit in judgment on this Honor Board suggests a possible which interfere with the other stu- proper acknowledgment. The Honor 7 votes more than the required

You are hereby notified to ap-sit in on jury screening and may he feels that it is reasonable. The eral is aimed at outright violations charged with investigating all aling assured of the Class' sincerity pear before the investigating com- reject any member as he sees fit. defendant may appeal his case to such as copying or using "gyp leged violations of the Honor Sys- and of the willingness of the min-In actual practice, the Dean ap- the President of the college, who sheets," it also tries to prevent any tem and to make suitable recom- crity to submit to the will of the student from having any advantage report to \_\_\_\_\_. Board as his representative, and In addition to investigating pos- over another, no matter how small. Committee of the faculty. and wait instructs him to reject any student sible violations of the Honor Sys- In this respect, working on a quiz on probation as a possible juror. tem, the Honor Board is charged beyond the specified time is consid- Academy at West Point is re- After this announcement another Failure to appear will result in During the trial, each counsel with the responsibility of providered to be a violation, as is any nowned for its Honor System. The meeting was held at which the foldisciplinary action on the part of may call up any witnesses which ing suitable pledges for quizzes, action which gives one man an un-System which was shaken by the lowing men were elected to consti-

On the occasion of the Senior term examination in Valves and Valve-gears on Thursday, April 19, 1906, the Honor System was given a trial for the first time in the history of Stevens Institute. The experiment was a success in every particular, and it was reasonable to assume that the System had

# Systems Vary

While we here at Stevens have come to take the Honor small percentage of the colleges that have Honor Systems. A com-Stevens with those in force at or university.

The Honor System at California Institute of Technology is run by its Board of Control which governs all phases of campus life. All scholastic and extracurricular life, all relations between the student and student and between student and faculty come under the provisions later, the committee submitted a of the constitution of the Board. report containing the plans it had This government extends both to formulated for the conduct of exthe undergraduate and graduate aminations and the petition to be from both programs making up the dent body and to investigate all to be entrusted to their honor to recommendations to a faculty committee on student activities.

The Honor System at Princeton is based on the principle of the individual's integrity. A student is not watched during any quiz or that he is not guilty of any dishonesty or irregularity in conection with the execution of his work. the committee while there shall be name, of course, is to follow the two members of the senior class pledge. and one member of the junior class elected by their classes to com-

(Continued on Page 2, Col. 1)

come to stay. The Senior Class, at least, had been assured of the Other College Faculty's consent to sanction the System during the remaining examinations in May. The Class of 1906 felt considerable satisfaction in the institution and subsequent success of the Honor System.

The Honor System had been a System as an integral part subject of discussion among upperof our education, it is only a classmen for more than a year, and several letters on the question had and the universities in the country appeared in the STUTE. It was not, however, until March 19, 1906 parison of the Honor System at that the conception of this ideal method of conducting examinations other colleges will show that we took definite form, for, at a Senior have an Honor System that is as Class meeting that day, a motion good as that at any other college was made by Cross that steps be taken toward the introduction of the System at the next exams. The motion passed, and President Elder appointed a committee consisting of Cross (chairman), Carey, Cole, Crisson, and Randolph to take the matter in hand.

At the next meeting, a week programs with a joint committee submitted to the Faculty in the event of the Class' approval of the plans. The scheme, as presented, The students taking examinations cases of suspected violations commit or allow no cheating; the in a place within convenient reach should their assistance be requested; students to report evidence of cheating to a committee of five of their members who shall sit as judges in such cases and who shall examination and signs a pledge dismissal from the Institute, students found guilty of the charges, the unanimous vote of the committee being required for conviction; by a committee of students elected students to write the following from each of the four years. The of the committee is as composition of the committee is as follows: it is made up of seven men. The president of each of the ance during this examination." The four classes shall be members of ance during this examination." The

#### Honor System Adopted

Previous to the meeting the peplete the committee. The commit-ual members of the Class and retee is charged with investigating all cases brought up before it. If, upon investigation they feel that at the meeting occasioned considity. The presentation of the report the Honor System has been violated, they recommend to the faculty that the accused be dropped ulty that the accused be dropped passed a motion that a two-thirds The Honor System at Wesleyan vote of the Class be required to University was established in 1893 decide in favor of the adoption of

System is run by a group that is two-thirds. The petition then went elected by the student body and is to President Humphreys, who, bemendations to the Administration majority, arranged with Prof. Furman, who had charge of the exam-The United States Military ination, to give the System a trial.

(Continued on Page 2, Col. 3)

"This above all, to thine own self be true, And it follows, as the night the day, Thou can'st not then be false to any man."

These immortal words of Shakespeare give us a view of the primary aim of our Honor System, the development of individual qualities of moral integrity and social responsibility and the instillation of a sense of professional ethics vital to the engineer in our modern society. At this time, a that not the slightest trace of dismilestone in our history, it is only fitting that we should re-|honesty occurred to mar the initial flect upon the fulfillment of these aims.

Our Honor System satisfies its primary aim as stated above. A man on his honor typifies the definition of moral integrity. Social responsibility is an outgrowth of the privilege consistent with honor, due at other institutions where the fact that under the Honor System it is necessary that the care being taken in the exercise Honor System is in force." entire student body act as a society. Every man has the of such privileges that other stusame responsibility and upon this equality lies success. Today dents were not disturbed at their movements are afoot to raise the engineer to the professional level of a doctor or lawyer; our system of ideals can lead and strengthen these movements.

In 1776 the Thirteen Colonies cast off their ties with England and a new and respected concept of independence was founded. This concept has survived to the present. In 1906 the concept of an Honor System, a new ideal founded Dr. Humphreys outlined the history upon intellectual independence, was established at Stevens. of the Honor System movement The reasons for this statement are This concept has likewise endured. The need for both institu- and characterized the final step as two; first, the Board, we think due the President of the Y.M.C.A., the Junior Class appointed C. W. S. tions arose from a common point, there is no degree of either honesty or freedom. Both, by definition, are absolute quantities. The elimination from the society of anyone who cannot in part: live up to these 100% ideals is necessary so that the institution might survive.

The past fifty years have led to a constant build-up of brought about this change which It is not our intention to criticize the dual concepts of mutual respect and human dignity. This spells co-operation between the the present Board or any previous increase has shown in all phases of our twin democratic institutions. We can look back and say that we have done our part. This is no time, however, to sit back on our laurels; something that stands still is, in reality, moving backward. It is our duty to be on a constant alert for improvement and revisions which will adjust the Honor System to the changes in need which are bound to arise. If we look upon this milestone as the beginning of the second fifty years rather than the end of the first fifty years we will have captured the proper spirit. The effort which will be put into this second beginning will be the impetus to make the future even more successful than the past.

#### College Honor Boards

(Cont. from Page 1. Col. 5) "cribbing scandal" of '51 has sur- found guilty of a violation of the vived the shock and stands as Honor System, the penalty is disstrong today as before. The prin-missal from the Academy. The at West Point rests is that funda- of cadet life. The simplest meanmental attribute of character, ing is that a cadet never lies, Honor, which in turns implies loy- cheats or steals and that a cadet's alty and courage, truthfulness and written or spoken word be taken in the hands of a student commit- Honor System. tee. This Honor Committee is comsion on the reports of the investi- their sentence imposed.

gation committee of his staff and the Honor Committee. If a man is ciple on which the Honor System Honor System takes in all phases self-respect, justice and generosity. as truth. Any action which violates the United States our educational duty as an "Honor Board." We all The operation of the system rests the above precepts, violates the methods, especially in the institu- know that it has done that duty

posed of cadets elected by their the faculty of Virginia Polytechnic In one it is assumed that the disci-System for the student body and develop the manly virtue, Honor." minute of the roster periods, these of the Honor System yet they have lation has occurred, they will bring tures. advisory group. If they come across fore the sentence is announced, the the students to do what is right any violation of the Honor System, record of the trial and the sentence for right's sake, tends to raise a they report it to the Commandant imposed are carefully reviewed by spirit of insubordination. In the commandant imposed are carefully reviewed by spirit of insubordination. In the commandant imposed are carefully reviewed by spirit of insubordination. In the commandant imposed are carefully reviewed by spirit of insubordination. In the commandant imposed are carefully reviewed by spirit of insubordination. In the commandant imposed are carefully reviewed by spirit of insubordination. In the commandant imposed are carefully reviewed by spirit of insubordination. In the commandant imposed are carefully reviewed by spirit of insubordination. In the commandant imposed are carefully reviewed by spirit of insubordination. In the commandant imposed are carefully reviewed by spirit of insubordination. In the commandant imposed are carefully reviewed by spirit of insubordination. In the commandant imposed are carefully reviewed by spirit of insubordination. of Cadets along with a report of a committee of the faculty. The other case, liberty degenerates into newer men. their investigations. The Commandant has the case investigated faculty committee then will an-license and breeds superficiality as



At a trial, the jury consists of 3 representatives from each of the upper classes and the freshman members of the Honor Board as far as they are approved by the Dean, the defendant and the prosecution. The Honor Board Chairman presides as judge while the Secretary acts as clerk. The defendant with the option of selecting a fellow student as his representative or adviser, and the prosecutor with his committee are also present. Others in the courtroom include witnesses, a marshal, and at an open trial, interested spectators.

Honor Board History

(Cont. from Page 1, Col. 6) tute the committee mentioned concur in the changes made, and above: Cole, Kirkup, Lewis, Lange, the regulations are adopted by the and Randolph. These men subsequently met and elected Lewis be, Stevens will have a comprehenchairman.

of the pledge, and it is safe to say duct of college affairs in general.

It was believed that the Junior Class would take up the question Dear Sirs: of the Honor System shortly.

On Wednesday, December 9, 1908 President Humphreys formally announced the adoption of Student Self-Government by all the classes. an event which would have a lastthe life of the Institute. He said

faculty, were accepted with a few changes. If the faculty will now lower classes, as they no doubt will sive and satisfactory system of During the examination no at-conducting examinations as well as tempt was made by the Professors tests, and the Student Self Governto watch the students. Everyone ment Committee will be a body seemed to realize the significance with power to inquire into the con-

"One point was made clear by the amendments as passed by the appearance of the Honor System. seniors, that if the students agree They were at liberty to go when to govern themselves they must and where they pleased, speak to have full authority and control one another, and take any other over themselves, such as is granted

Honor Board Founded

The following letter appeared in the STUTE in December 7, 1912:

THE STUTE

The present Student Self-Government Board is not what its name implies, and in our opinion does not perform its proper funcbetween Student Body and Faculty. ing and beneficial influence upon concerns itself only with matters pertaining to our Honor System; second, the Board as now elected "I heartily congratulate the stu- is not necessarily representative of dents of the Institute who have the students and their activities. Faculty and Student Body. Here in Board in the performance of their



The Honor Board consists of three representatives from each class and one representative from the Student Council. The officers are a chairman and a secretary.

At the request of the students, upon two widely varying principles. have long ceased to exist.

lies between the two extremes.

see it, the effort should be made name. to build up a system that will offer We therefore propose that a

the STUTE:

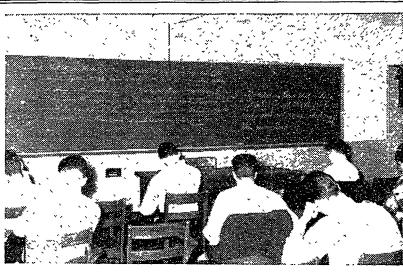
of 1906 and later amended by the Teams, the President of the Ath-

tions of higher learning, are based well, or our "Honor System" would

The matter of upholding our fellow students. The Honor Com- Institute allowed the formation of pline must be maintained through Honor System is of primary impor- Business Manager of the STUTE. mittee must interpret the Honor an Honor System to "cherish and requirements which cover every tance. We believe that a Board selected as outlined below could be explain it to every incoming cadet All infractions of the Honor Sys- requirements to be rigidly enforced. better able to cope with infractions and instruct them in the principles tem are reported to the Honor In the other system, the students of the rules of that system, beupon which the Honor System Court. This Honor Court investi- are given liberty of action as to cause it is certain of being repre-They are charged with gates all suspected violations. If the selection of studies and as to sentative of the entire student body bringing to the open all violations they feel that an Honor Board vio- attendance at recitations and lec- and its activities, and because it is largely composed of upperclassno punitive power. They function the accused to trial before a stuentirely as an investigative and dent jury. After the trial and bedesire there may be on the part of worked under this system for two ing the essential ideas outlined in tive on the Honor Board.

mandant has the case investigated faculty committee then will anto educational equipment. As in all the means of coordinating the varibused only such questions, the path of wisdom ous student activities, and since the approval by the lower classes and to suit the needs of the times but men proposed are already in more the faculty. "An educational institution which or less intimate relationship with does not by its methods discipline the Faculty and Alumni, through the unruly individual for the ben- the several activities which they efit of the majority and does not represent, this would result in discipline the unruly impulses of closer cooperation of the student all-to which impulses we are all body, through their Board, with subject—cannot claim to be prop- the Faculty. That Board then erly preparing its students for would be a Student Self-Governtheir future responsibilities. As I ment Board in fact as well as in

> the maximum of opportunities in truly Student Self - Government the way of discipline and that will Board be appointed by the Student constantly be striving to so train Body, subject to the approval of the students that they will in the the faculty, to replace the present greatest possible measure exercise Student Self-Government Board. SELF-discipline, which is after all Membership on the proposed Board the only discipline of final value." The following article appeared "honor" but a duty belonging to in the October 17, 1908 issue of the particular office to which each member is elected. The member-"An important step was taken ship to consist of the following offiby the senior class at a meeting cers: the Presidents of each class, last Monday afternoon when the the Vice-Presidents of each class, Student Self Government rules the Managers of the Varsity Footoriginally suggested by the Class ball, Lacrosse, Baseball and Track



The successful operation of the Honor System has always depended upon the wholehearted participation and cooperation of every student. At Stevens the tenseness of quizzes and examinations is markedly lessened. The room is proctored not by a member of the faculty, but rather by each individual student. Operating on the principle that an unfair advantage constitutes a violation of the Honor System, each student has as his guide that statement: "When in doubt, don't do it."

letic Association, the President of On Tuesday and Wednesday the the President of Tau Beta Pi. Total committee. membership 19.

the Board from among its Senior Mr. A. Riesenberger: members, and the Secretary-Treasurer to be elected from the Junior Dear Sirs:

representative men, and they are, voice in all matters affecting the Student Body.

prove desirable.

N. H. MEMORY J. H. VANDER VEER

Yes, the N. H. Memory, who was Stute. He was at that time the made above.

The following week saw a great deal accomplished toward resolving swered Mr. Riesenberger with a the problem of the Self-Govern-letter of their own. They stated ment Body and its subsequent divi- that they would go along with his sion into the Honor Board and the proposal provided that the chair-Student Council as we know these man of the Honor Board be a membodies today. On Monday of that ber of the Student Council and week Mr. Memory submitted to the that the Council in return elect a The board as proposed would be Veer to hear objections to the pro-

tion of being the connecting link the Musical Clubs, the President three lower classes, in separate of the Engineering Society, the meetings, approved the constitu-President of the Dramatic Society, tion almost unanimously and the to an idea growing out of custom, Editor-in-chief of the STUTE, and Parsons to act with the senior

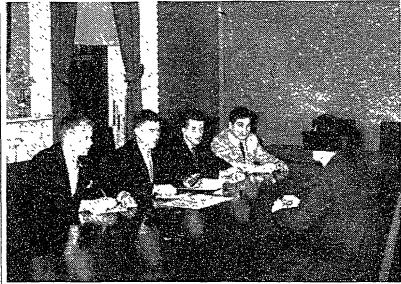
On December 14, 1912 the Con-The officers of this Board to con-stitution of Student Self-Governsist of a President, Vice-President, ment was submitted to the faculty and Secretary-Treasurer, ranking for approval. On January 3, the in the order named. The President following letter was received by and Vice-President to be elected by the committee from the Registrar,

The proposed Constitution of the

The proposed membership is to Student Self-Government Board as our mind the representative one submitted by you to the Faculty that should be chosen. Class presi- was informally discussed by the dents and vice-presidents are chos- | Faculty at a meeting held Monday, en by their classes as the most December 30, 1912. At the close of the discussion it was decided to without doubt, in better touch with suggest to you the organization of class affairs than any others. For a Student Council, in addition to this reason they should have a the Student Self-Government Board as heretofore constituted. The membership of the Student Council It should be noted that the above might be that provided for in the are but suggestions, that such de- Proposed Constitution, with the adtails as are particularly mentioned dition of a representative or repreare so done solely for illustration, sentatives from the Student Selfand that certain changes might Government Board. It was also suggested that the Student Council take charge of the matters proposed or contemplated under this Constitution excepting those pertaining to discipline and the Honor System which the Self-Government one of the driving forces toward Board have heretofore taken charge Student Self-Government was none of. I will be glad to submit to the other than Nichol H. Memory, now Faculty anything you may desire the Director of Admissions at the to say in regard to the suggestions

On January 6, the committee an-

ory, C. K. Steins and J. H. Vander ward for the remainder of its first not in its basic form.



In order to determine whether a case should be dropped or continued, the investigating committee headed by a Junior or Senior member of the Honor Board, considers the evidence presented and interviews all persons connected with the case. This same committee prosecutes the case in the event of a trial.

season cam known at t winning on loss came la the loss wa the record.

season, ther Althoug forward to over the lo Coach year at the

tain. Toge better last record. In this with, Kopp Returning ward, Guid while the following Rodoupolis, Pitching w

Apostle, all Stute has r of the abov petition for there is th lacking de perience g seen till th The sc with two a total of game with either Wed many an o

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have not 3 Date Sat. Mai Sat. Apr Wed. A1 Sat. Apr Tues. A Mond A Fri. Apr Sat. Apr Wed. M Sat. Ma Wed. M Sat. Ma; Wed. Ma

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## SPORTING COMMENT BY DAVID HAID

With the game played last night against R.P.I. the basketball season came to a close. Though the outcome of this game was not known at the time of this writing, the season can be nothing but a winning one on the basis of the present 9-3 record. The season's third loss came last Saturday in a discouraging game with Union. Though the loss was a hard one to take it is now just another digit added to playing the backboards. The game the record. It is still too early to make a thorough comment on the was one dominated by team plays season, therefore, this will be put off until the next issue.

te takengan ana na ang kenganga sagan ng mengangangan ng mengangan ng mengangan ng mengangan ng mengangan saga

Although winter is still definitely with us, we would like to look forward to this Spring when the lacrosse and baseball teams will take over the lower field for another season.

Coach Misar will once again coach the team in his twenty eighth year at the Stute. Under him will be Gil Paganussi, this year's captain. Together they will lead the team in an attempt to equal or which permitted more control of and Gray then went into action, hetter last year's winning season when the team compiled a fine 9-2 the ball than in the first half: taking six out of the next seven

In this effort the team may sorely feel the loss of infielders Bulwith, Kopp and outfielder Gould, all excellent fielders and hard hitters. Returning this year are the regulars Paganussi, La Costa, Stein, Woodward, Guide and Goyette. These six will form a very strong nucleus half. It was here that Bob Wood- Nick Mestanos (13 wins and 2 while the remaining three positions may be filled from among the ward and Howie Engelson of Delfollowing six: Machyowsky, Taylor, Weygang, Calvino, Eckert and ta Tau Delta fouled out. This aid-tinued to boast an undefeated rec-Rodoupolis, all of whom were with the team for at least one year, ed Sigma Nu to tie up the score ord for the season, outclassing Pitching will remain the same with Woodward, Guide, Ziegler, Perry, on foul shots. The score at the M.I.T. 6-3 in that division. The Apostle, all being fine mound material. It therefore appears that the end of the second half was 19-19. Stevens saber and epec teams, Stute has retained most of its talent from last year. However, the loss of the above three men and the new ruling prohibiting varsity competition for freshmen has severely limited the supply of talent and ingly trying to play with a respectively. Outstanding performthere is therefore a possibility that the team may enter the season lacking depth. Whether this will be compensated for by the ex- attempted to ignore the pressure '58. Fencing his third intercolperience gained by the players during the past season will not be and "play-it-easy." Both teams legiate saber match, Rein regisseen till the team takes the field.

The schedule calls for games with all of our rivals of last year this period. Field goals brought the day. Double triumphs were with two additions in games with Drexel and Hamilton. This gives a total of fourteen games, ten of which are at home. Except for the game with Pace on Tuesday, April 17, all the home games will be on ma Nu, for the basketball chameither Wednesday or Saturday. The Stute body will therefore have pionship. many an opportunity to witness the team in action. It is hoped that they will take advantage of this situation and give the Stute nine support comparable to that given the basketball team during its

As both the varsity team and the newly organized freshman team under Coach Singer are still in the midst of tryouts, any candidates are welcome to come out for the team. This is true too of Coach Seymour's lacrosse team which practices, on alternate Saturdays with the baseball team, in the Field House practices are usually held after 4:00 P.M. on Tuesday and Thursday too.

The calendar for the baseball season is as follows. (The times have not yet been definitely set.)

Marc mod Job Score	401111111		
$\mathbf{Date}$		Team	Place
Sat. March 31		Alumni	Home
Sat. April 7	_	N.C.E.	Home
Wed. April 11		Fairleigh Dickenson	Home
Sat. April 14		Wesleyan	Away
Tues. April 7		Pace	Home
Mond April 23	_	Wagner	Away
Fri. April 27	_	R. P. I.	Away
Sat. April 28		Hamilton	Away
Wed. May 2		Pratt	Home
Sat. May 5		Drexel	Home
Wed, May 9	_	Drew	Home
Sat. May 12	_	N.CE.	Home
Wed. May 16		Pace	Home
Sat. May 19	_	Union	Home

### Music and Dancing Nightly...



HOboken 2-9600

600 HUDSON ST., HOBOKEN, N. J.

## ENGINEERING SENIORS ...

North American

Aviation

Los Angeles

will interview here

**MARCH 1, 1956** 

## Sigma Nu Beats

The IFC basketball tournament came to a climax when Sigma Nu defeated Delta Tau Delta by a score of 27-23 last Tuesday, Feb. 14, at the Walker gym to cop the IFC basketball champion-

The game started off with the Delts taking the offensive while in five meets. Sigma Nu found itself weak in as opposed to indiscriminate shooting. Due to this fact, the halftime score was 10-5 in favor of the Delts.

proved to be the spark plug of the M.I.T. 14-Stevens 13. Sigma Nu squad in the second

the score to 27-23 in favor of Sig-Gilmore.

The Stevens Fencing team succumbed to M.I.T., their traditional rival, by a 14 to 13 score at the triumph Wednesday afternoon, William Hall Walker Gymnasium February 4, in the Walker Gymlast Saturday. Losing only to nasium. Harvard, the M.I.T. squad has been victorious in four out of five first bout, the Stone Millers never starts, while the Stute swordsmen suffered their second setback

throughout the first round, with situation, Chuck Gilmore, wielding M.I.T. leading 5-4. In the second the epee, came from behind, 2-0, round the visiting Techmen romped to an 11-7 lead by outmatching points to take the bout and the the Stevens fencers in every di- match for Stevens. vision. This was the largest edge The second half saw Sigma Nu held in the contest. Showing their showing brilliant form by winning much improved on the boards, skill at counterattack, the Red Slowly Sigma Nu took the of-bouts, only to drop the important fensive. Larry Dietz entered and last two, making the final tally

Again sparked by sophomore losses), the Stute foil team con-The five minute overtime was however, could not match the foilfast with Delta Tau Delta seem- men's pace and lost 4-5 and 3-6 "hustle" strategy, while Sigma Nu er for Stevens was Rein Raago, seemed to play better ball during tered three wins and no losses for also scored by Les Pia and Chuck

> For their next encounter the (Continued on Page 4, Col. 1)

## MIT Foilers Win; Stute Fencers Top

Trouncing Haverford, 15-12, the Stute fencers scored their third

Taking the lead from the very relinquished it. The meet came to a climax when the Stute, leading 13-11, needed one more bout to The bouts were nip and tuck assure victory. In this very tense by registering three successive Foil

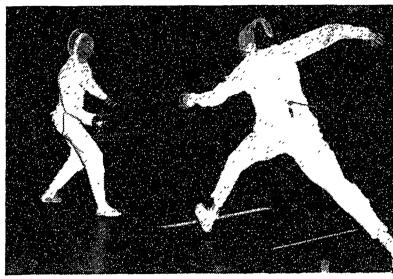
> Sparked by Nick Mestanos '58, all three of his bouts, the undefeated foil team led the way to

victory. Together with Captain Chuck Gilmore, Nick has the high-Delts for Hoop Title Mestanos Shines Haverford by 15-12 est average of the men on the varsity fencing squad.

When the Stute succumped to Haverford's strong saber team, 5-4, it was the visitors' only consolation of the day. A winning streak of 12 bouts by Haverford's top saberman was broken by Carl Anderson '56.

The Red and Gray also dominated the epee competition, 5-4, with Gilmore taking three bouts and Dick Pollina adding two other wins.

VEZ V	is Ion 1	Lost	HAVER	ORD Won I		
er	1	2	Johnson	0	3	
no3	3	0	Knight	2	2	
	2	1	Heiman	1	2	
son	2 2	1	Hecht	2	1	
n	2	1 3	Ledger	2 2	1 1 2	
)	0	3	Price	1	2	
re	3	0	Stover	1	2 2	
a	2	3	Goodman	1 2	2	
han	0	3	Rockwell	2	1	



Scene from the Stute fencing strip at the Walker Gym as Stevens fencers drop a close match to M.I.T.

Dave McGinnis asks:

Does Du Pont Have Summer Jobs for College Students?

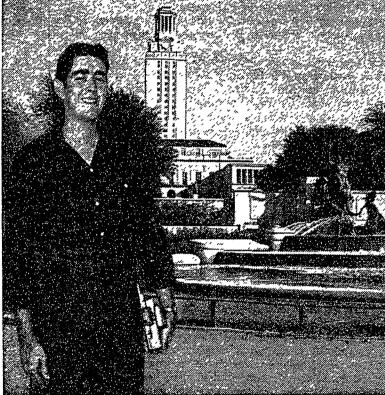


Ivar A. Lundgaard obtained two degrees, B.S. in Ch.E. and A.B. in economics, from the University of Rochester, and joined Du Pont's Photo Products plant at Parlin, N. J., in 1942. Later that year he became a shift supervisor and was promoted steadily thereafter. By 1951 he was Production Superintendent at Du Pont's Rochester plant. Today Ivar is Polyester Department Superintendent at Parlin, well able to speak about Du Pont employment policies out of his own experience and observation.

NOW AVAILABLE for free loan to student A.S.M.E. chapters and other college groups, a 16-mm. sound-color movie. "Mechanical Engineering at Du Pont." For further information about obtaining this film, write to E. I.du Pont de Nemours & Co. (Inc.), 2521 Nemours Building. Wilmington 98, Del.



BETTER THINGS FOR BETTER LIVING . . . THROUGH CHEMISTRY WATCH "DU PONT CAVALCADE THEATER" ON TV



C. David McGinnis will receive his B.S. degree in mechanical engineering from the University of Texas in June 1957. Currently, he's senior manager of men's intramural sports and a member of the Delta Upsilon and Phi Eta Sigma fraternities at Texas.

## Ivar Lundgaard answers:

Yes, Dave, the Du Pont Company regularly employs students of science and engineering in its Summer Technical Training Program. The chief purpose is to provide good technical training under industrial conditions. And we learn about the students while they learn about us.

Students selected for the program after campus interviews include candidates for the B.S., M.S., and Ph.D. degrees. Assignments are related to their academic interests. Last summer 270 students from 93 institutions participated in the program. In this way, ties are often established which can lead to permanent employment after graduation.

In addition, many other students are hired directly by individual Company units to help out during vacation periods of our regular employees. For this "vacation relief work," assignments are likely to be varied; but these students also gain valuable insights into industrial practice, and many acquire experience related to their fields of study.

Altogether, about 750 college students, from both technical and nontechnical fields and at all levels of training, obtained experience with us during the summer of 1955. So you can readily see, Dave, that the Du Pont Company attaches a lot of importance to summer jobs for college students.

(Cont. from Page 2, Col. 6) the out going officers who did such a fine job during their administra- average offer last year was \$380

The house was pretty empty two weekends ago with five men on erage starting salary for the Class the basketball team plus five spectators from the house up at MIT of 1955 was \$381. This goes to for the game. Neil Stuart, Bill Snyder, Chuck Lathrop, Bob Wood- prove that Stevens men do not necward, and Marsh Lipton all went to cheer Stevens on to victory, but essarily jump at the highest salthey apparently didn't cheer loud enough.

We're definitely the best tanned house on campus this term. Nick "Cy Hugo" Rodoupolos, Bob Jones, Bob Cushman, Art Apostol, and tunities available. Some compan-Thorpe Aschoff all spent the interterm vacation in sunny Florida.

Our IFC basketball team wishes to congratulate Sigma Nu for winning the championship Tuesday night in a hard fought contest. Every one in the house needs to be especially thanked for the ed. Notices are usually posted in

wonderful job done in building a new bar for the house. In one week's time the wood was bought, cut and put together. Bruce Kirk supplied the stainless steel trim, Bob Jones obtained the bamboo front, Bob Woodward bought the tile foot-stand, and last but not least Jim Casey | ing over the companies, so will the came through with the beer tap, CO2 cylinder, and accessories.

CHI PHI-Last night seven of the brothers of Mu Chapter took a vacation from rushing to go up to the University of Connecticut and aid in the installation of our new Zeta Delta Chapter. This is indeed an honor as we have been called out of our zone for the occasion. We know that our men are having a good time instructing competency and personality. Their our new brothers in the art of partying.

Last Saturday night a large number of the brothers' dates field of engineering do you prefer? graciously agreed to help whip the house into shape for rushing. Too to "do you like liquor?" bad Nez-i-poo. You no longer have to compete with Connie. It's now Rose Mary and Terry. Our thanks to Dave Wentink for those terrific (?) potato-pancake-corn-fritters, and to Joan our waitress extraordinary.

In keeping with our extensive social calendar, Sunday will feature the Kappa Delts from Hunter College. Since the Kappa Delts are using the house for their rushing purposes on Sunday afternoon, a good turnout from both sides is expected for the party that evening.

A final touch has been added to the "new look" at Green Gate. Wineberry and Dresden Blue hallways!! Our three blind brothers have since paid for their choice of wineberry as a "color" (?); they have been wineberried and feathered, a fate worse than being tarred and

Green Gate has a new Chapter Adviser-Carl Carlsen, class of '55. Most of the upper classmen will remember Carl as past Business Manager of the Stute, member of Khoda, Pi Delta Epsilon, and Tau Beta Pi. We couldn't have asked for a better man.

ALPHA SIGMA PHI-The men of Alpha Sigma Phi are anxiously working for the completion of the new party room. Among its many features is indirect fluorescent lighting.

Our congrats to our bowling team for their strong comback by defeating Chi Psi, 5-0. We are looking forward to many more games like this.

In the past few weeks a few alumni have paid us a visit. Among these were Dick Shumway, Bill Sluka, Walt Kugler, Gene Tick, and Ron Krauss. These alumni held a party in honor of the seniors. They promised to visit us again in the near future.

We are all watching Daddy-O's pin very closely as we are expecting it to vanish soon. There also has been a rumor that a certain Nash Ambassador Super will be entered in the Pan American Road Race. (If someone can get it started!)

It seems one of our basketball players was laid up after making a lay up shot in the gym last Tuesday night.

Four cigar-candy store men are preparing to enter the sacred portals of Alpha Sigma Phi this afternoon.

After the premature demise of two cars in the last year, Pebbles is now working on the third! (A hopped-down Chevy governed down to 85 MPH.)

SIGMA PI EPSILON-The last two weeks have seen a change in administration at the Sig Ep villa on Hudson Street. At the recent elections, Joe Faillace was elected president; Steve Rhysen, vicepresident; Al Schleich comptroller for a second term in this important office; George Rose, secretary, and Bill Gerken, historian. In the following week, committee heads were named, and the brotherhood settled down to the job of preparing for closed rushing. We would like to express our thanks to the Mothers' Club for the help they gave us in obtaining three new couches for the party and game rooms.

The past week also saw one of the upstairs rooms converted to a combination game and study room, which will provide commuters with extra space to study during free periods.

Welcome faces around the house this week have been "Reds" Bergler, Ed "Marriage is wonderful" Boslow, Stan Vandergrift, and Bill Davis, a fraternity field secretary.

With a week of rushing-not to mention assorted liquids-under our belts, we will bid you adios for now, and go downstairs to await the coming of the next group of rushees.

#### Fencing

(Cont. from Page 3, Col. 4) touché men travel to Hartford, Conn. to meet Trinity College to-

day at z	30.	P.M	•		
STEVE	NS (	13)	MIT	(14)	
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#### **Interviews**

(Cont. from Page 1, Col. 6) A list of the weekly interviews side firms with an invitation to is posted both on the Navy Build- visit their personnel director. Stevens Directory which contains graduates have constantly in-

a complete list of Stevens alumni and the companies for which they work. Very helpful to the seniors are a number of books on careers and engineering employment distributed by the Placement Office.

As a guide to the companies, the Senior Booklet is published by the senior class and distributed by the Placement Office. The book serves as an introduction of the Class of 1956 to all companies. Besides a picture and suitable information about each senior, the Booklet contains a summary of the Stevens education, the names of the Trustees of Stevens, a list of student activities and an introduction by President Davis, Each senior also receives fifteen sheets which are duplicates of his page at the Placement Office for most in the Senior Booklet so that he of them. Before interviews start- may use these in many cases in ed the seniors received a list of place of application blanks. These all the companies coming to our | Booklets are also sent to compancampus, and each week a more in- ies not coming to Stevens with clusive and informative sheet the result that many seniors reabout the companies is given out. ceive information from these out-

ing and Placement Office bulletin With the need for engineers boards. There is also available a critical, the salaries for technical

creased so that today offers run Spotlight as high as \$440 per month. The and it was significant that the avary offer but are more interested in the type of work and oppories are also interviewing juniors for summer employment and many attractive offers have been reportthe Navy Building concerning these interviews.

Just as the seniors will be lookcompany representatives be evaluating the men. They will be interested in the grades of the men, their extracurricular activities, judgment, quality of mind, ability to deal with people, professional questions will vary from "what

Taking everything into consideration, the prospects for the senior class are extremely good.

(Cont. from Page 1, Col. 5) department of Alcoa Aluminum in Edgewater, New Jersey.

Chuck joined the Stevens fencing team in the fall of his sophomore year, following a demonstrathat year, in addition to those he D.C. and Buffalo, N. Y. was already in, was IFC football competition for the Betas. That tain of the fencing team before summer he combined a job with some added education. Working graduation, Chuck plans to go into as a chauffeur, he spent a great production work, and take gradudeal of time studying sociology by reading library books. With the start of his junior

the fencing strip, when his teamto win a cup as the top man at the the situation. Newark College Invitational Fenc-

Honors List four times so far.

for Chuck. Besides his job in the tion the team gave to his gym of Western Electric in Manhattan, sense of working together as a class. Among his other activities he made trips to both Washington, team."

> This year, he was elected capthe start of the season. After ate courses at night in production engineering.

"Stevens," Chuck says, reflectyear, Chuck was elected to the ing on the past four years, "offers vice-presidency of Beta Theta Pi. its undergraduates many goals to He was also treasurer of the New-strive for. It prepares students man Club, and a member of the for a career by giving them a Varsity "S" Club. The crowning broad view of all engineering achievement of that year came on problems, thus increasing one's ability to choose from a wide mates voted him the Stevens Best range of fields. This is the oppo-Team Man Award, and when he site of the narrow view of the won a first place medal on his specialist, who does not see the dueling strip and then went on overall effects of his judgment on

"THE Honor System brings ing Tournament. Thanks to the forth the ideas of trust in others

many activities he has found time and moral values that will guide to participate in, Chuck has made the undergraduate through his latthe Gear and Triangle Activities er years. The Stevens fraternities and extracurricular activities Last summer was a busy one help many students learn how to get along with each other, achieve Distribution Equipment Division social maturity, and develop a

#### Basketball

(Continued from Page 1, Col. 2)

seconds to go in one of the most

exciting	gaı	ne	S '	of the yea	ar.			
STEV				UNI	ON			
	G	F	P	1	Ġ	F	P	
Goyette	5	3	13	Bower	1	0	2	
Callahan	5	3	13	Baum	Ĩ	5	19	
Morgan	8	2	18	Lawson	7	12		
Walker	3 5	1	7	Conaway		2	-6	
Blue	5	4	14	Tole	2 3	6	12	
Mawe	1	0		Crotty		ō	ō	
Cutting	2	0		Nachbar	0 1 2	2	4	
Martinelli	0	0	0	Buxbaum	2	0	40	
Rodoupolis	0	0	0	Ziller	Ō	Õ	Õ	
				Bick	0	Ō	Ō	
m			_		_	_	_	
Total	29	13	71	Total	23	27	78	
			_				_	

#### BETTY LOU'S

Italian American Restaurant

501 Washington Street HOboken 3-9613 FOUNTAIN SERVICE

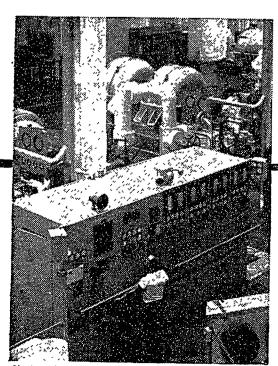
## What's doing at Pratt & Whitney Aircraft

## **Jet Engines Tested** in World's Most Complete **Privately Owned Turbine Laboratory**

Located on the bank of the Connecticut River at East Hartford is a singular development facility-the Andrew Willgoos Turbine Laboratory. Here, behind windowless, thick concrete walls, many types of engineers find a never-ending challenge in the development and testing of advanced aircrast engines.

Test methods used by Pratt & Whitney Aircraft in their unique laboratory are highly complex. Tests are conducted on full-scale experimental engines at simulated altitudes up to 76,000 feet. Extremely high speed airflow, with pressure and temperature accurately controlled, duplicates speeds as high as Mach 2.75. To reproduce such prodigious flight conditions, extraordinary equipment had to be devised. For example, a 21,500-hp driving dynamometer supplies the enormous power needed to test jet engine compressors over a range of speeds from 800 rpm to 16,000 rpm.

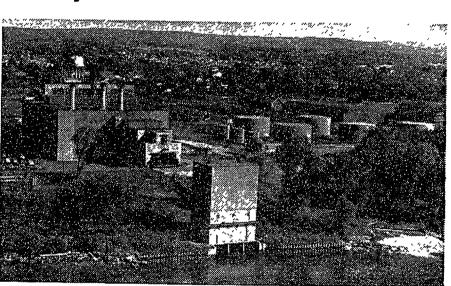
The time lapse between development and production of new engines is reduced considerably by the advanced facilities of the Willgoos Laboratory. An outstanding example of results achieved through concentrated engineering effort and complete research support is the Pratt & Whitney Aircraft J-57 turbojet. Today the unchallenged leader in its field, the J-57 is merely the forerunner of greater aircraft engines that will power the preeminent military and commercial aircraft of the future.



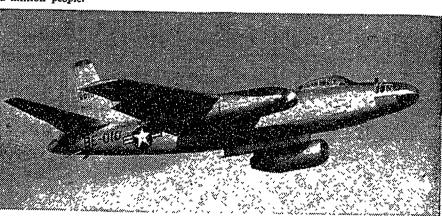
Giant refrigeration units from which conditioned air is piped to test cells are located in the large central section of Willgoos Laboratory.



Engineers in control room of one of eleven test cells at Willgoos Laboratory record important characteristics of gas turbine engines in operation.



Andrew Willgoos Turbine Laboratory where jet engines and their components are explored. Cooling water from the Connecticut River can be pumped through a maze of conduits at the rate of 160,000 gallons per minute -- 31/2 times the consumption of a city of half



B-45 flying test-bed is shown here with an experimental jet engine suspended directly beneath the bomb bay. Its regular engines are idled while in-flight performance of the turbojet is observed and recorded. The perfect complement to the complex ground-testing facilities of the Willgoos Laboratory, the flying test-bed is another vital factor in reducing engine



World's foremost designer and huilder of aircraft engines

## PRATT & WHITNEY AIRCRAFT

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