

2021 Sigma Gamma Tau Triennial Convention Agenda

8 January 2021 (Friday before 2021 AIAA Science & Technology Meeting) via Zoom

1. All 9 regions were represented (with quorum requiring attendance from a majority of the regions was met during the entire Zoom meeting)
Outgoing President - Dr. Roy Myose (will be Immediate Past President from July 2021), Wichita State University
Incoming President - Dr. Mohammad Sadraey (will be President from July 2021), Southern New Hampshire University
Incoming Vice President - Dr. Elizabeth Rollins (will be VP from July 2021), Wichita State University
Northeastern Regional Coordinator - Dr. Glynn Holt, Boston University
Mid-Atlantic Regional Coordinator - Dr. Christopher Goynes, University of Virginia
Southeastern Regional Coordinator - Dr. Glenn Greiner, Embry-Riddle Aeronautical University - Daytona Beach
Great Lakes Regional Coordinator - Dr. Harry Hilton, University of Illinois
North Central Regional Coordinator (also the outgoing President) - Dr. Roy Myose, Wichita State University
Southwestern Regional Coordinator - Dr. John Valasek, Texas A&M University
Western Regional Coordinator - Dr. Mark Sensmeier, Embry-Riddle Aeronautical University - Prescott
Southern Pacific Regional Coordinator - Dr. Praveen Shankar, California State University - Long Beach
Mid-Atlantic Region Student Representative - Evan Warner, Virginia Polytechnic & State University
South Central Region Student Representative - Kelsey Johnson, University of Alabama
Great Lakes Region Student Representative - Torrence Gue, University of Michigan
Southwestern Region Student Representative - William Young, Texas A&M University
 2. Opening remarks by the Incoming President, Dr. Mohammad Sadraey
 3. Minutes from the 2018 Convention were approved (it should be noted that these minutes listed estimated budget from that time)
 4. Membership data [pages 3-4] and composition of regions [page 5]:
 - a) Number of new members [page 3]: most recent 5 year (15-19) average = 560, 10 & 15 year average = 600 while 20 year average = 560
Repeat of the 1990's drop in new members as well as its impact on the society's finances was expressed as a potential concern.
Info for 2020 [table page 4] available at the time of Convention does not reflect actual numbers since chapters lag in reporting initiations.
 - b) Number of chapters: 36 active, 3 less active (3-5 yrs without initiations), 10 inactive 5-10 yrs, 10 inactive > 10 yrs, & 11 ABET accredited programs without SGT chapters (no new chapter since Worcester Polytechnic Institute chapter installed in 2017)
 - c) Regional composition list [page 5] includes potential new chapters (these do not list year of most recent initiation)
 - d) Comment was made that SGT allows special membership posthumously. Dr. Mark Bower, Department Chair at U. Alabama Huntsville, was approved for special membership, but passed away before the new chapter installation ceremony - he was the first individual known to have been awarded a posthumous special membership. Dr. Liviu Librescu, a well-known aerospace researcher and Professor at Virginia Tech who helped save many students' lives in his classroom, was approved for special membership posthumously after the Virginia Tech incident.
 - e) A comment was made that there are 3-4 boxes of paper records of initiate names which, when time allows, will be scanned. However, this is supposed to be a duplicate of the electronic record in National's database.
 - 5a) Financial report [pages 6-9] - annual expenses include undergrad awards program, secretary's honorarium, certificates + mailing & supplies
Convention costs have increased over the years due to increased airfare: (Year, cost, faculty #, student #, # local attendees):
(2018, ~\$15k, 7, 5, 2), (2015, ~\$19k, 9, 6, 3), (2012, ~\$16.6k, 8, 7, 0), (2009, ~\$11k, 10, 5, 2), and (2006, ~\$11k, 9, 7, 3)
(Yr: Airfare & #/Total#): (18: \$530, 12/14), (15: \$600, 15/17), (12: \$400, 15/15), (09: \$250, 14/16), & (06: \$400, 11/16)
Annual outlay: **\$20k/3 (convention)** + \$6.25k (awards program) + **\$2.75k (secretary)** + \$2.9k (certificates+other) = \$18.6k
Income @ **560 members** = \$19.6k, but there can be additional expenses like replacement plaques & chapter installation
 - b) Undergraduate award program cost detail: \$6,250+ per year (vs. \$4,300 in previous 3-year cycle, increase due to \$100 rebate)
Award checks (\$1,000+\$250x8), plaques, mementos, & mailing costs (\$1,550) totals \$4,550 & chapter rebates of \$1700+
 - c) Stoles: sold @ \$35 each (cost is \$34, up from \$32 plus ~\$7 for shipping ~5 stoles) so now selling at cost (vs. \$3-5 net earning)
 - d) Small tie-tac's sold @ \$22 each (costs \$19) & keys are sold @ \$15 each (costs \$11, but heavy so shipping is expensive); thus both sold at cost
Convention voted in favor of Exec adjusting price (including addition of shipping cost) when prices change with new order of stock
 - e) President's service plaque costs \$70 & some chapters need new Undergraduate Award nameplate plaque costing ~\$300 each
Per 2006 convention vote, National has paid for replacement plaques (2 in 06-09, 2 in 09-12, 3 in 12-14, 0 in 15-17, 1 in 18-20)
 - f) New chapter installation costs up to ~\$1300 per chapter (one new chapter was installed in 2017)
 - g) Certificate: cost to make and print certificates is \$4.50 each plus shipping cost of ~\$10 per shipment
There have been several billing mistakes by the certificate company (under or overcharging) which has been frustrating
There was discussion about the relatively long time it takes for certificates to be delivered. Reason given was that the printing company prints thousands of diplomas (for schools) and certificates (for organizations). The completion time is especially long (1-3 months) for orders made in March to May (due to the large volume involved) while certificate requests made in January & February is less (1-2 months).
National accepts IOU for certificate printing request made before dues check arrives at National which reduces time by 1-2 weeks; however, no additional IOU's are allowed until receipt of payment check.
 - h) Current finances of \$78.5k are up slightly (~\$1.5k) compared to 2018 assuming a full Convention costing \$20k had taken place [page 6].
Although a few chapters are still likely to make late submissions, fiscal year 19-20 gross income was \$13.5k vs. \$26k in 18-19 and \$25k - \$38k range during the previous five years - clearly dues from membership was/is down (as alluded to in item 4a above).
- 6a) Whether the 2024 Convention should be in-person was discussed. This year's virtual meeting reduces expenditure by as much as \$20k; however, many delegates expressed the viewpoint that in-person meeting has intangibles and non-meeting discussions (e.g., during meals) results in a significant exchange of ideas to improve chapter operations. The Convention delegates voted in favor of an in-person Convention in 2024 as long as funds are available. The Exec was delegated the responsibility to review National finances in 2023 to determine whether sufficient funds are available to hold an in-person Convention.
 - b) Whether dues should remain at \$35 was discussed. The 2015 Convention set the upper limit to \$40 with the Exec determining the actual amount. For reference, dues were \$25 in 1997-2015; \$20 in 1994-1997; \$15 in 1983-1994; & \$12 prior to that. According to usinflationcalculator.com, setting the starting value as \$15 in 1983 => \$22 in 1994, \$24 in 1997, \$36 in 2016, & \$39 in 2020 while setting it as \$12 in 1982 => \$18 for 1994, \$20 for 1997, \$30 for 2016, & \$32 for 2020. As a comparison, dues/initiation fee for PITS (ME) is \$35, HKN (EE) is \$70, & TBPI (all-Engineering) is \$55. The Convention delegates voted in favor of maintaining the status quo (\$40 upper limit with the Exec determining the actual amount based on finances).
 - c) The 2015 Convention voted in favor of an undergraduate conference presentation travel award program consisting of up to two \$750 (max each); however, the program never got "off the ground" due to a lack of volunteers to run and judge the program. The question was asked whether this program should remain "on the books" as a potential budgeted item. The Convention delegates voted in favor of removing the program. Comments were made that if there is renewed interest, then the 2024 Convention can consider funding it as a budgeted item.

d) Whether continuing the \$100 rebate to chapters that nominate a student to the Annual Undergraduate Award competition was discussed. Several delegates commented that the rebate provides the only funds available for chapter operations. The Convention delegates voted in favor of continuing the \$100 chapter rebate for nominating a student to the Annual Undergraduate Award competition.

e) Whether the monetary amount for the Annual Undergraduate Award should remain at \$1000 for the National award & \$250 for Regional winners was discussed. Convention delegates voted in favor of maintaining this monetary award level. (However, the Convention voted in favor of establishing a National Runner-up award with a \$750 total amount, later on during the Convention - see item number 8c below.)

7. The Convention delegates voted to keep the Secretary-Treasurer honorarium at \$2,750 per year (same as previous 12 years). For reference, honorariums in the past were: \$2,750 per year during 18-21, 15-18, 12-15, & 09-12; \$2,500 in 06-09; \$1,800 in 06-03; \$1,200 in 00-03; \$1,000 in 97-00.

8. Annual undergraduate award program [pages 10-11] typically involves ~16-20 nominees per year out of ~40 active chapters.

a) Recently, the question of clarifying the judging criteria was raised. Dr. Sadraey reported on the current process and judging criteria [page 12]. The Convention delegates agreed that this type of information should be provided in either the website or as a part of the application form / packet.

b) A number of candidate eligibility questions have arisen in recent years. The Vice President after consultation with the Exec decided these issues at the time. For example, candidates who graduated in a prior academic year (e.g., a previous May graduate applying in the competition) would be ineligible. No such candidate had ever won an award, but such a candidate was part of the competition pool about five years ago because a question on graduation date was not included in the application back then - this has been corrected. Two additional issues have recently arisen as follows:

- An individual won the Regional award two years in a row because there was no rule against it and there was no mechanism to determine if a previous winner was in the competition pool. Discussion at the time, after the Regional winner was already announced, was that there were no explicit rule against it. It was felt that it would be inappropriate for an individual to win the National award twice, but there might be some support for a Regional winner from the previous year trying to win the National award the following year. After discussion, the Convention delegates voted to limit any type of award to one time only. However, previous applicants who did not win an award would be eligible to apply again. The application form will be modified to reflect this decision.

- An individual in a combined B.S./M.S. program asked about eligibility when this individual had already matriculated as a graduate student according to the student's university registrar's office - the Exec determined that the student was ineligible. The Convention discussed the issue of an increasing number of students in B.S./M.S. programs as well as standard B.S. students reserving a large number (~12-15 hours) for graduate credit, and the difficulty in classifying such students as undergraduates or graduate students. After discussion, delegates voted to deem ineligible those already matriculated to graduate student status and those receiving the B.S. & M.S. degrees simultaneously in the same academic year as the competition.

c) The National award competition has recently been close, with the judges mentioning that the difference between the winner and second place individual can be small. After discussion, Convention delegates voted in favor of creating a National runner-up award with a \$750 total amount.

9. Tax exempt status background: National lost its tax exempt status in 2010 because SGT's contact information was not properly filed using IRS form 990-N e-Postcard (i.e., a web-based electronic update of contact information). National actually did file, but used the wrong federal ID number due to mix-up of Wichita State chapter's and National's federal ID numbers. Subsequently, IRS form 1023 was filed in 2011 along with the (then) \$100 user fee, and the IRS granted backdated reinstatement of *only* National's tax exemption in early 2012. Group exemption covering all chapters using a single IRS form 8718 was filed in late 2012 along with the \$3,000 user fee, but the IRS declined to provide Group exemption in late 2013. (This user fee was refunded.) Reason given by IRS declining was that the majority of individual chapters had not kept up their individual exemptions by filing the annual IRS form 990-N e-Postcard. Once an individual chapter loses its exemption, IRS form 1023EZ along with a \$275 user fee (or 1023 long form with a higher user fee) must be submitted by that chapter to reinstate its tax exemption. Although the mix-up in federal ID numbers was a simple mistake, Secretary-Treasurer Myose has opted not to be paid the annual honorariums for the past nine years of 2011-12 through 2019-20 (\$2,750x9). In addition, some certificates were printed by him when the calligrapher could not complete the task at a savings to SGT of \$1246. He has "designated" that these "savings" (\$25,966) be used for IRS user fees and other costs associated with reinstating tax exemptions. The following steps will be taken in the future:

a) **Per Constitution Art. II Sect. 4(a), declare chapters (~10) who have not initiated any new members for at least five years as inactive** and (for now) remove them from the list of chapters in IRS's list so that there are less chapters involved in the IRS Group exemption application. This action will be implemented after giving notice of this action to the department chair and last known faculty advisor at each of these schools. (These chapters will therefore be given an opportunity to resurrect their chapter before any action is taken.)

b) Help active chapters who have lost their tax exemption - National will pay the user fee associated with the IRS application. Once a chapter is reinstated, however, the chapter would be responsible for the annual IRS 990-N e-Postcard updates. Any future loss of tax exempt status would be the responsibility of the individual chapter involved.

c) Once the majority of chapters have their individual tax exemptions, National would reapply for Group tax exemption.

10. The Constitution was reviewed with a focus on whether the minimum reserve fund specified in the Constitution should be kept at \$15,000. The Secretary-Treasurer reported that the actual amount kept in CD's is ~\$35,000. The Convention delegates approved changing the reserve fund amount to \$20,000 [Article VIII Section 4 on Reserve Fund]. This Constitutional amendment (i.e., change) will be submitted to the chapters for their approval.

11. The initiation ritual and the certificate template wording were reviewed. There were no suggested changes.

12. An update about the Boston University (BU) chapter was presented by Dr. Holt. Background: There was a merger between ME, AE, and Manufacturing Engineering at BU. The last group of "pure" AE majors were graduated in 2013. Since then, BU has offered an ABET accredited ME degree with an AE concentration consisting of a four-course elective sequence taken in the senior year. Each year, BU has about 15-20 students with an AE concentration. [The current SGT Constitution requires ABET accreditation specifically in AE when a new chapter is started, but is silent about what is required to continue an SGT chapter.] The decision of the 2012 and 2015 Conventions were to continue the status quo, allowing BU to initiate new members who are AE concentration students and to monitor the situation. This was reaffirmed (and re-extended) by the 2021 Convention delegates.

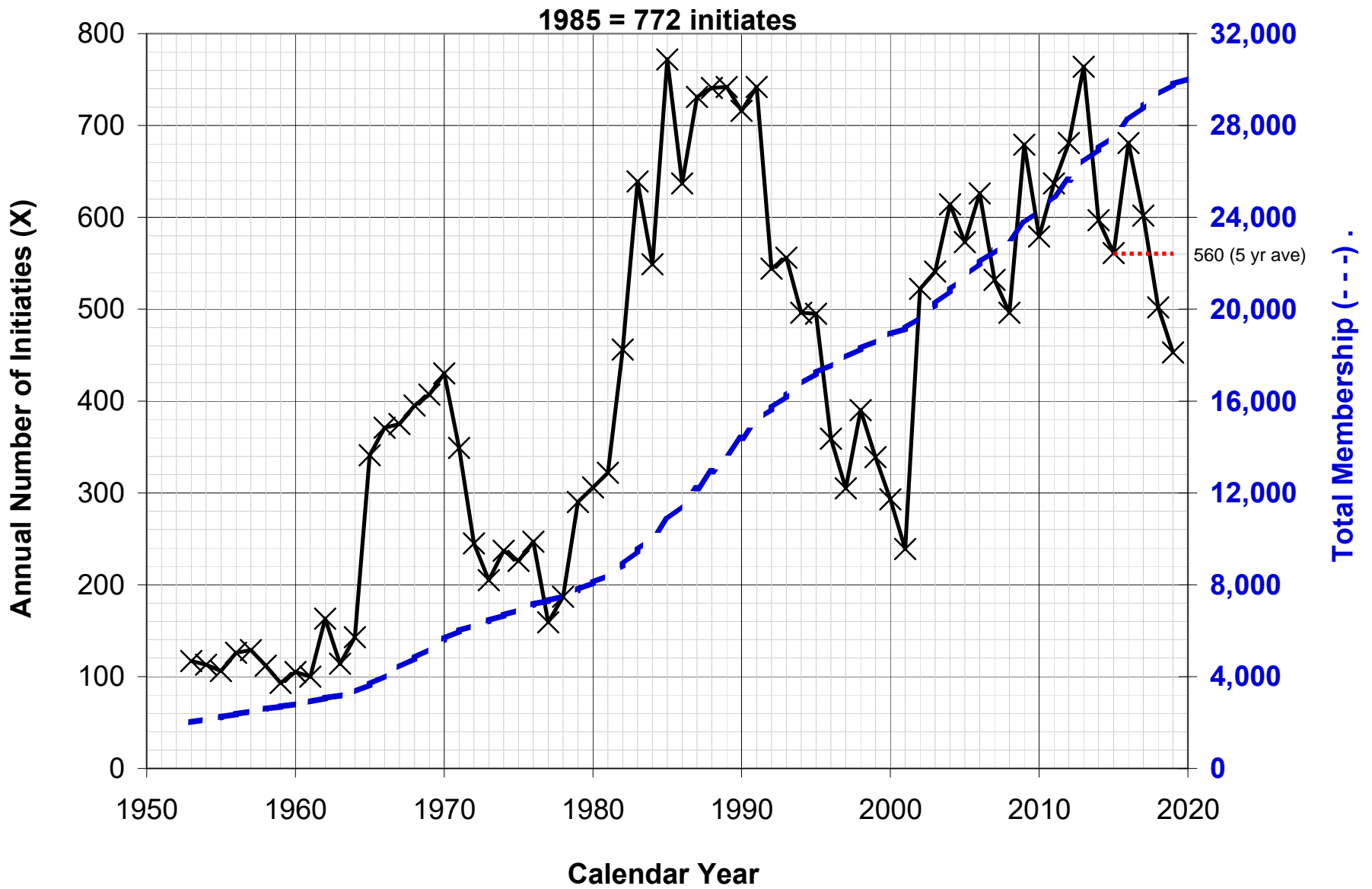
13. Chapter comments & highlights about some of their activities during the current health crisis:

- One chapter shared that there was no initiation in 2021 due to "things falling through the cracks." They expect to initiate new members in 2021.
- The Virginia Tech chapter held a panel discussion with both students and faculty on the topic of "How to succeed in an online class"
- The Texas A&M chapter (which normally has tutoring by members as an activity to earn service points) reported that it was more difficult to tutor students when they are not physically on campus. Holding social events were also reported to be more difficult last year.
- The Alabama chapter mentioned tutoring using virtual methods and utilizing the Discord app to build the SGT community
- The Michigan chapter mentioned starting a virtual career fair for AE with 60 participants and different breakout rooms for students to "mingle"

14. The issue of AE programs in other countries being able to establish a chapter was very briefly mentioned. (Tau Beta Pi has a few international chapters.) The biggest issue is that IRS Group exemption application may become more difficult due to overseas income. Other issues include: a) international chapter paying in dollar denominated checks, but bank fees may be involved; b) chapter installation travel costs would be expensive unless there is already an international coordinator in the region; c) Convention travel cost for international delegate (if any); and d) forming separate international region for Annual Undergraduate Award competition including cost

15. Next Convention likely to be at the AIAA SciTech in January 2024

Submitted by Roy Myose (Secretary-Treasurer)



30294 = Total # members (including 1900 pre-merger members)			Total # SGT members = 28394									
Last Year	Date	University	Members	2020	2019	2018	2017	2016	2015	2014	2013	2012
2020	4/30/20	AIR FORCE ACADEMY, UNITED STATES	850	23	23	27	33	34	33	29	41	38
2019	10/2/19	AIR FORCE INSTITUTE OF TECHNOLOGY	520	0	8	0	22	52	4	21	28	18
2019	4/9/19	ALABAMA - HUNTSVILLE, UNIVERSITY OF	209	0	23	14	0	14	11	13	26	21
2019	4/17/19	ALABAMA - TUSCALOOSA, UNIVERSITY OF	328	0	22	20	14	15	6	14	14	10
2019	3/31/08	ARIZONA, UNIVERSITY OF	17	0	0	0	0	0	0	0	0	0
2019	12/5/05	ARIZONA STATE UNIVERSITY	59	0	0	0	0	0	0	0	0	0
2020	9/14/20	AUBURN UNIVERSITY	734	13	16	8	14	18	18	0	19	2
2019	4/23/14	BOSTON UNIVERSITY	162	0	0	0	0	0	0	8	0	0
2019	5/5/07	BUFFALO, UNIVERSITY AT (State Univ of New York at Buffalo)	368	0	0	0	0	0	0	0	0	0
2016	6/1/16	CALIFORNIA - IRVINE, UNIVERSITY OF	107	0	0	0	0	9	4	5	16	10
2019	5/14/19	CALIFORNIA POLYTECHNIC STATE UNIVERSITY - SAN LUIS OB	396	0	3	14	7	9	12	11	10	0
2020	5/7/20	CALIFORNIA STATE POLYTECHNIC UNIVERSITY - POMONA	700	17	17	15	14	20	23	14	35	32
2020	5/22/20	CALIFORNIA STATE UNIVERSITY, LONG BEACH	77	13	8	0	0	15	2	14	25	
2019	2/13/13	CENTRAL FLORIDA, UNIVERSITY OF	131	0	0	0	0	0	0	0	9	3
2019	2/15/05	CINCINNATI, UNIVERSITY OF	288	0	0	0	0	0	0	0	0	0
2020	4/22/20	CLARKSON UNIVERSITY	148	34	4	7	5	5	9	7	0	9
2020	10/3/20	COLORADO, UNIVERSITY OF	490	8	9	7	26	12	7	6	6	19
2019	11/16/19	EMBRY-RIDDLE AERONAUTICAL UNIVERSITY - DAYTONA BEA	1018	0	17	16	17	36	15	50	32	20
2020	11/14/20	EMBRY-RIDDLE AERONAUTICAL UNIVERSITY - PRESCOTT	654	19	17	24	49	44	8	26	11	25
2020	9/21/20	FLORIDA, UNIVERSITY OF	158	25	0	0	0	0	0	0	5	8
2017	4/25/17	FLORIDA INSTITUTE OF TECHNOLOGY	109	0	0	0	18	24	15	0	15	28
2018	12/3/18	GEORGIA INSTITUTE OF TECHNOLOGY	1503	0	0	22	20	43	39	29	49	88
2019	11/16/11	ILLINOIS, UNIVERSITY OF	795	0	0	0	0	0	0	0	0	0
2019	1991	ILLINOIS INSTITUTE OF TECHNOLOGY	9	0	0	0	0	0	0	0	0	0
2019	4/24/19	IOWA STATE UNIVERSITY	856	0	8	23	15	20	26	38	24	0
2019	5/4/19	KANSAS, UNIVERSITY OF	750	0	5	22	12	21	0	8	8	10
2019	5/6/15	MARYLAND, UNIVERSITY OF	599	0	0	0	0	0	6	10	12	6
2019	4/15/06	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	835	0	0	0	0	0	0	0	0	0
2019	4/24/19	MICHIGAN, UNIVERSITY OF	1059	0	18	33	49	23	41	49	47	47
2019	1996	MINNESOTA, UNIVERSITY OF	519	0	0	0	0	0	0	0	0	0
2020	4/26/20	MISSISSIPPI STATE UNIVERSITY	475	23	18	19	13	17	8	13	12	12
2019	10/31/19	MISSOURI UNIV OF SCIENCE & TECHNOLOGY (Univ Missouri-Rol	396	0	5	14	18	9	9	8	17	7
2016	5/4/16	NEW MEXICO STATE UNIVERSITY	19	0	0	0	0	14	0	0	5	
2019	4/27/15	NORTH CAROLINA STATE UNIVERSITY	375	0	0	0	0	0	7	6	6	12
2019	4/27/15	NORTHROP UNIVERSITY	106									
2019	3/28/19	NOTRE DAME, UNIVERSITY OF	367	0	6	15	9	9	8	9	9	12
2019	4/4/19	OHIO STATE UNIVERSITY	726	0	11	0	10	13	17	11	23	17
2020	3/3/20	OKLAHOMA, UNIVERSITY OF	306	1	2	5	6	0	0	0	11	0
2019	12/4/19	OKLAHOMA STATE UNIVERSITY	170	0	18	25	15	0	0	0	0	0
2020	4/16/20	PENNSYLVANIA STATE UNIVERSITY	1127	17	26	0	22	19	31	27	28	25
2019	4/16/20	POLYTECHNIC UNIVERSITY (BROOKLYN POLY / POLY INST NY)	285									
2019	4/16/20	POLYTECHNIC UNIVERSITY (NYU / POLY INST NY)	225									
2020	4/30/20	PURDUE UNIVERSITY	1778	1	43	48	43	58	42	23	27	24
2018	12/2/18	RENSSELAER POLYTECHNIC INSTITUTE	652	0	0	9	11	13	19	12	28	48
2019	4/13/15	SAN DIEGO STATE UNIVERSITY	263	0	0	0	0	0	11	5	16	16
2020	12/4/20	SAN JOSE STATE UNIVERSITY	222	21	28	0	0	0	0	23	19	11
2019	4/30/13	SOUTHERN CALIFORNIA, UNIVERSITY OF	303	0	0	0	0	0	0	0	11	17
2020	4/24/20	SOUTHERN NEW HAMPSHIRE UNIVERSITY (Daniel Webster Colleg	40	4	2	4	1	5	6	4	14	
2019	?	ST. LOUIS UNIV. (PARKS COLLEGE)	?									
2019	5/1/19	SYRACUSE UNIVERSITY	294	0	5	7	4	6	14	0	9	0
2019	4/21/10	TENNESSEE, UNIVERSITY OF	135	0	0	0	0	0	0	0	0	0
2019	2/27/19	TEXAS A&M UNIV	892	0	34	31	37	48	11	37	11	31
2019	3/23/07	TEXAS - ARLINGTON, UNIVERSITY OF	257	0	0	0	0	0	0	0	0	0
2018	12/8/18	TEXAS - AUSTIN, UNIVERSITY OF	1316	0	0	19	28	18	23	27	29	22
2019	4/13/19	TRI-STATE UNIVERSITY	29									
2019	4/13/19	TUSKEGEE UNIVERSITY	97	0	5	17	3	6	15	9	9	10
2019	4/12/19	VIRGINIA, UNIVERSITY OF	332	0	8	3	18	3	5	9	2	4
2019	11/11/19	VIRGINIA POLYTECHNIC INSTITUTE & STATE UNIVERSITY	829	0	8	11	11	13	25	0	10	0
2019	4/18/13	WASHINGTON, UNIVERSITY OF	223	0	0	0	0	0	0	0	9	4
2019	4/23/15	WEST VIRGINIA UNIVERSITY	512	0	0	0	0	0	19	0	0	0
2019	4/2/13	WESTERN MICHIGAN UNIVERSITY	6	0	0	0	0	0	0	0	6	
2019	4/19/19	WICHITA STATE UNIVERSITY	595	0	9	8	14	13	12	21	14	9
2020	1/17/20	WORCESTER POLYTECHNIC INSTITUTE	84	21	25	15	23					
		SPECIAL MEMBERS	522	1	2	0	1	3	0	1	7	6
				241	453	502	602	681	561	597	764	681
			30292	30035	29794	29341	28839	28237	27556	26995	26398	25634
				2020	2019	2018	2017	2016	2015	2014	2013	2012
		4	Retired									
		10	Inactive for more than a decade									
		10	Inactive for more than five years									
		3	Possible inactivity (3-5 years without initiations)									
		63	Total number of chapters / active chapters									

<u>Recent Initiation</u>	<u>University</u>	<u>Region</u>	<u>Active (36) / Total # (59)</u>	<u>Possible (70) / [UG (68)]</u>
2014	Boston University	Northeastern	5 / 8	8
2007	Buffalo, Univ at (State Univ New York at Buffalo)	Northeastern		
2020	Clarkson University	Northeastern		
2006	Massachusetts Institute of Technology	Northeastern		
2018	Rensselaer Polytechnic Institute	Northeastern		
2020	Southern New Hampshire Univ (Daniel Webster College)	Northeastern		
2019	Syracuse University	Northeastern		
2020	Worcester Polytechnic Institute	Northeastern		
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	Capitol Technology University	?	3 / 5	9
2015	Maryland, University of	Mid Atlantic		
	Naval Academy, United States	?		
2020	Pennsylvania State University	Mid Atlantic		
	Princeton University	?		
	Rutgers, The State University of New Jersey	?		
2019	Virginia, University of	Mid Atlantic		
2019	Virginia Polytechnic Institute and State University	Mid Atlantic		
2015	West Virginia University	Mid Atlantic		
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2013	Central Florida, University of	Southeastern	3 / 6	7
2019	Embry-Riddle Aeronautical University - Daytona Beach	Southeastern		
2017	Florida Institute of Technology	Southeastern		
2020	Florida, University of	Southeastern		
2018	Georgia Institute of Technology	Southeastern		
	University of Miami	?		
2015	North Carolina State University at Raleigh	Southeastern		
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2019	Alabama - Huntsville, University of	South Central	5 / 6	6
2019	Alabama - Tuscaloosa, The University of	South Central		
2020	Auburn University	South Central		
2020	Mississippi State University	South Central		
2010	Tennessee at Knoxville, University of	South Central		
2019	Tuskegee University	South Central		
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2019	Air Force Institute of Technology (Graduate Only)	Great Lakes	4(5) / 9	11 (10)
	Akron, University of	?		
	Case Western Reserve University	?		
2005	Cincinnati, University of	Great Lakes		
2011	Illinois at Urbana-Champaign, University of	Great Lakes		
1991	Illinois Institute of Technology	Great Lakes		
2019	Michigan, University of	Great Lakes		
2019	Notre Dame, University of	Great Lakes		
2019	Ohio State University, The	Great Lakes		
2020	Purdue University at West Lafayette	Great Lakes		
2013	Western Michigan University	Great Lakes		
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2020	Air Force Academy, United States	North Central	6 / 8	8
2020	Colorado at Boulder, University of	North Central		
2019	Iowa State University	North Central		
2019	Kansas, University of	North Central		
1996	Minnesota, University of	North Central		
2019	Missouri University of Science and Technology	North Central		
?	St. Louis Univ. (Parks College)	North Central		
2019	Wichita State University	North Central		
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2016	New Mexico State University	Southwestern	4 / 6	6
2020	Oklahoma, University of	Southwestern		
2019	Oklahoma State University	Southwestern		
2019	Texas A & M University	Southwestern		
2007	Texas at Arlington, University of	Southwestern		
2018	Texas at Austin, University of	Southwestern		
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2008	Arizona, University of	Western	2 / 5	7 (6)
2005	Arizona State University	Western		
	California - Davis, University of	?		
2020	Embry-Riddle Aeronautical University - Prescott	Western		
	Naval Postgraduate School (Graduate Only)	?		
2020	San Jose State University	Western		
2013	Washington, University of	Western		
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2016	California - Irvine, University of	Southern Pacific	3 / 6	8
	California - Los Angeles, University of	?		
2019	California Polytechnic State University, San Luis Obispo	Southern Pacific		
	California - San Diego, University of	?		
2020	California State Polytechnic University, Pomona	Southern Pacific		
2020	California State University, Long Beach	Southern Pacific		
2015	San Diego State University	Southern Pacific		
2013	Southern California, University of	Southern Pacific		

36 Active chapters

3 Inactive for 3-5 years

10 Inactive for more than five years

10 Inactive for more than a decade [plus 4 retired (Polytechnic-Brooklyn, Polytechnic-NYU, Northrop, & Tri-State)]

11 ABET accredited programs without Sigma Gamma Tau chapters

Sigma Gamma Tau Secretary-Treasurer's Report for 2018-20

	Dec-20		vs fiscal year =>		Jul-18		Jul-15		Jul-12		Jul-09		Jul-06		Jul-03								
Cash (checking+CD, pre-Convention)	\$91,706				\$79,038		\$71,904		\$75,813		\$59,103		\$52,133		\$47,265								
Item	2020	2018	2015	2012	2009	2006	2003	2020	2018	2015	2012	2009	2006	2003	2020	2018	2015	2012	2009	2006	2003		
	Stock	Stock	Value	Stock	Value	Stock	Value	Stock	Value	Stock	Value	Stock	Value	Stock	Value	Stock	Value	Stock	Value	Stock	Value		
Certificates	-	-	-	567	\$2,240	192	\$758	346	\$1,367	967	\$3,578	76	\$281										
Stoles (ordered 250 @ \$8.5k on 2/20)	270	\$9,450	129	\$4,515	199	\$6,965	2	\$70	231	\$8,085	191	\$7,163	20	\$755									
Keys (ordered 250 @ \$2.7k on 6/17)	167	\$2,505	237	\$3,555	174	\$2,610	191	\$2,865	78	\$1,170	191	\$2,483	47	\$611									
¾-inch tie-tac (ordered 300 @ \$6k on 6/17)	75	\$1,650	218	\$4,796	319	\$7,018	174	\$3,480	308	\$6,160	276	\$4,140	4	\$60									
1.25-inch tie-tac (to be discontinued)	(discontinued)	(discontinued)		12	\$264	46	\$920	56	\$1,120	93	\$1,581	98	\$1,666										
1-inch pendant (discontinued)	(discontinued)	(discontinued)		(discontinued)		6	\$120	7	\$140	14	\$252	40	\$720										
¾-inch key pendant (discontinued)	(discontinued)	(discontinued)		(discontinued)		(discontinued)		(discontinued)	(discontinued)	(3 in poor shape)	\$0	12	\$90										
Ties (discontinued)	(discontinued)	(discontinued)		(discontinued)		(discontinued)		(discontinued)	(discontinued)		35	\$175	44	\$220									
Cash (pre-Convention) + Merchandise	\$105,311		\$91,904		\$91,001		\$84,027		\$77,145		\$71,504		\$51,668										
Convention Cost	Cancel fee	\$750	Actual	\$14,943	Actual	\$19,292	Actual	\$16,610	Actual	\$10,352	Actual	\$10,798	Actual	\$10,798	Not known								
Total Funds + Merchandise Value	\$104,561		\$76,961		\$71,708		\$67,417		\$66,793		\$60,706												
Of which amount saved for IRS filing costs* is:	\$25,996		= \$2750x9+\$1246		\$17,746		\$12,246		\$2,750														
Cash + Merchandise Value	\$78,565		\$57,115		\$59,462		\$64,667		\$66,793		\$60,706												
			\$35 dues since 7/16 <		> \$25 dues until 6/16																		
Year Initiates Income (Dues+Merchandise)	Calend Yr	Fiscal Yr	2016	681	\$28,058	2013	764	\$36,840	2010	579	\$23,537	2007	532	\$24,263	2004	614	\$15,989						
	2019	453	\$26,345	2017	602	\$38,143	2014	597	\$20,904	2011	637	\$23,019	2008	496	\$19,828	2005	573	\$23,643					
	(likely a few late submissions) 2020	241	\$13,489	2018	502	\$30,344	2015	561	\$24,375	2012	681	\$28,825	2009	679	\$18,950	2006	626	\$21,917					
Recent 5 (& 20) yr average = 560 (while 10 & 15 yr ave = 600)			Ave		595	Ave		641	Ave		632	Ave		569	Ave		604						
Interest Income for Bank CD:	2018-19	\$17.56	2015-16	\$17.57	2012-13	\$96.68	2010	\$149.10	2007	\$1,438.09	2004	\$314.87											
	2019-20	\$17.60	2016-17	\$17.52	2013-14	\$19.98	2011	\$119.53	2008	\$1,312.08	2005	\$513.91											
			2017-18	\$17.53	2014-15	\$10.77	2012	\$117.48	2009	\$446.85	2006	\$946.87											
Merchandise (sold or used)	19-20	18-19	17-18	16-17	15-16	14-15	13-14	12-13	11-12	10-11	09-10	08-09	07-08	06-07	05-06	04-05	03-04	02-03	01-02	00-01			
Certificates	325	492	526	749	874	544	611	839	543	551	621	346	528	587	601	691	439	578					
Stoles	75	221	254	248	241	197	197	312	233	206	195	231	142	166	130	126	92	131	98	103			
Keys	15	37	38	125	68	74	20	167	36	19	81	78	22	47	38	51	17	32					
¾-inch tie-tac	51	63	114	156	85	57	43	53	73	44	18	308	87	85	114	54	55	8					
1.25-inch tie-tac (discontinued)	(discontinued)	(discontinued)	(discontinued)	(discontinued)		12	6	10	1	1	7	56	2	21	0	2	3	1					
1-inch pendant (discontinued)	(discontinued)	(discontinued)	(discontinued)	(discontinued)		1	2		0	0	1	7	4	3	3	1	12	2					
¾-inch key pendant (discontinued)	(discontinued)	(discontinued)	(discontinued)	(discontinued)		(discontinued)	(discontinued)	(discontinued)	(discontinued)	(discontinued)	(discontinued)	(discontinued)	(discontinued)	(discontinued)	3	3	2	5					
Ties (discontinued)	(discontinued)	(discontinued)	(discontinued)	(discontinued)		(discontinued)	(discontinued)	(discontinued)	(discontinued)	(discontinued)	(discontinued)	-	9	21	2	4	3	6					

*IRS filing costs are \$2,500 for group exemption after chapters become current on tax exemption (filing cost for chapters which lost its individual exemption is \$275), amount saved for this: \$2,500 for group exemption + \$275 per chapter x # chapters 40 = \$13,500 + accountant (or other professional) cost vs. amount saved (\$2750x9+\$1246 printing work by secret \$25,996 IRS form 1023-EZ filing fee is \$275 per chapter (typical if annual gross receipt is less than \$50k) while form 1023 filing fee is \$600 each

Typical Expenses	Convention (\$20k/3)	Undergrad Awards	Secretary	Certificates (\$5xInitiates)	Supplies	Total	#Initiates	Dues	Income
Break even with 540 initiates per year for typical expenses	\$6,667	\$6,250	\$2,750	\$2,800	\$100	\$18,567	560	\$35	\$19,600
Additional expenses not included: new chapter installation (\$1500 per) & replacement large nameplate plaque (~\$300)	^Will need after Roy Myose retires			450-750 per year (36 active chapters)					

Sigma Gamma Tau Secretary-Treasurer's Report for 2019-20 (as of **30 June 2020**)

		2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007	2006	2005	2004	2003		
Initiates*	Late fall initiations arrive 1-2 months later =>	241	453	502	602	681	561	597	764	681	637	579	679	496	532	626	573	614	541		
Notes: 1) initiate numbers are calendar year vs fiscal year for certificates, 2) routinely receive some chapter's initiate info 1-2 years later																					
Merchandise (stock, value, & number sold)	Stock	Cost**	Value @ sale	19-20	18-19	17-18	16-17	15-16	14-15	13-14	12-13	11-12	10-11	09-10	08-09	07-08	06-07	05-06	04-05	03-04	02-03
Certificates*	Billed by printing company after ordering			325	492	526	734	874	544	611	839	543	551	621	488	520	594	602	716	439	578
Stoles**	280	\$8,400.00	\$9,800.00	75	221	254	248	241	197	197	312	233	206	195	158	122	166	130	126	92	131
Keys**	171	\$1,795.50	\$2,565.00	15	37	38	57	70	74	20	167	36	19	81	29	22	47	38	51	17	32
¾-inch tie-tac**	79	\$1,580.00	\$1,738.00	51	63	114	156	85	57	43	53	73	44	18	55	87	85	114	54	55	8
1.25-inch tie-tac (discontinued)	-	-	-	-	-	-	-	12	6	10	1	1	7	14	2	21	0	2	3	1	
1-inch pendant (discontinued)	-	-	-	-	-	-	-	-	1	2	0	0	1	0	4	3	3	1	12	2	
¾-inch key pendant (discontinued)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	2	5	
Ties (discontinued)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	21	2	4	3	6	

Notes: *Initiate numbers are calendar year while certificate numbers are fiscal year

Value of stole/jewelry stock includes mementos for the undergrad award, difference being about \$35 per applicant (by about 20 students) or about **\$700 overvaluation

	Total	Checking	CD
Starting balance (including petty cash of \$45)	\$91,315.00	\$56,241.15	\$35,073.85
Income (initiation fee & merchandise sale less overpayment)		\$13,489.00	\$17.60 <=CD interest during fiscal year
Certificate printing		-\$2,488.80	
Postage & mailing supplies		-\$73.38	
Stoles & postage		-\$8,500.00	
Website cost		-\$62.32	
Undergrad award checks		-\$3,000.00	(\$1,000 Andes+\$250x8 regions)
Undergrad award chapter rebates (+prior Auburn rebate, but not WSU)		-\$1,600.00	
Annual award plaques, name plates, certificates, & postage		-\$1,645.03	
Convention cost [excludes cancellation fee of \$500 paid in Nov 20]		-\$250.00	
Secretary pay (Roy Myose)***		\$0.00	
Total expenses		-\$17,619.53	
Ending balance (including petty cash of \$95)	\$87,202.07	\$52,110.62	\$35,091.45
Cash on hand merchandise value** total	\$87,202.07	\$14,103.00	\$101,305.07 <= includes \$2750x9 + \$1246 (= \$25,996) \$75,309.07 <= excludes likely cost of IRS filing costs

***Secretary opted to forgo 2019-20 pay (9th time) so that National can save up funds to pay for IRS Exemption User Fees.

Sigma Gamma Tau Secretary-Treasurer's Report for 2018-19 (as of 30 June 2019)

	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007	2006	2005	2004	2003
Initiates*	453	502	602	681	561	597	764	681	637	579	679	496	532	626	573	614	541

Notes: 1) initiate numbers are calendar year vs fiscal year for certificates, 2) routinely receive some chapter's initiate info 1-2 years later

Merchandise (stock, value, & number sold)	Stock	Cost**	Value @ sale	18-19	17-18	16-17	15-16	14-15	13-14	12-13	11-12	10-11	09-10	08-09	07-08	06-07	05-06	04-05	03-04	02-03
Certificates*	Billed by printing company after ordering			492	526	734	874	544	611	839	543	551	621	488	520	594	602	716	439	578
Stoles**	102	\$3,060.00	\$3,570.00	221	254	248	241	197	197	312	233	206	195	158	122	166	130	126	92	131
Keys**	194	\$2,037.00	\$2,910.00	37	38	57	70	74	20	167	36	19	81	29	22	47	38	51	17	32
¾-inch tie-tac**	149	\$2,980.00	\$3,278.00	63	114	156	85	57	43	53	73	44	18	55	87	85	114	54	55	8
1.25-inch tie-tac (discontinued)	-	-	-	-	-	-	-	12	6	10	1	1	7	14	2	21	0	2	3	1
1-inch pendant (discontinued)	-	-	-	-	-	-	-	-	1	2	0	0	1	0	4	3	3	1	12	2
¾-inch key pendant (discontinued)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	2	5
Ties (discontinued)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	21	2	4	3	6

Notes: *Initiate numbers are calendar year while certificate numbers are fiscal year

Value of stole/jewelry stock includes mementos for the undergrad award, difference being about \$35 per applicant (by about 20 students) or about **\$700 overvaluation

	Total	Checking	CD
Starting balance (including petty cash of \$95)	\$79,241.68	\$44,185.39	\$35,056.29
Income (initiation fee & merchandise sale less overpayment)		\$26,345.01	\$17.56 <=CD interest during fiscal year
Certificate printing		-\$1,373.65	
Postage & mailing supplies		-\$83.36	
Stoles & postage		-\$6,900.00	
Website cost		-\$89.64	
Undergrad award checks		-\$3,000.00	(\$1,000 Andes+\$250x8 regions)
Undergrad award chapter rebates		-\$1,500.00	
Annual award plaques, name plates, certificates, & postage		-\$1,342.60	
Secretary pay (Roy Myose)***		\$0.00	
Total expenses		-\$14,289.25	
Ending balance (including petty cash of \$95)	\$91,315.00	\$56,241.15	\$35,073.85
Cash on hand merchandise value** total	\$91,315.00	\$9,758.00	\$101,073.00 <= includes \$2750x8 + \$1246 (= \$23,246) \$77,827.00 <= excludes likely cost of IRS filing costs

***Secretary opted to forgo 2018-19 pay (8th time) so that National can save up funds to pay for IRS Exemption User Fees.

Sigma Gamma Tau Secretary-Treasurer's Report for 2017-18 (as of 30 June 2018)

	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007	2006	2005	2004	2003
Initiates*	502	602	681	561	597	764	681	637	579	679	496	532	626	573	614	541

Notes: 1) initiate numbers are calendar year vs fiscal year for certificates, 2) routinely receive some chapter's initiate info 1-2 years later

Merchandise (stock, value, & number sold)	Stock	Cost**	Value @ sale	17-18	16-17	15-16	14-15	13-14	12-13	11-12	10-11	09-10	08-09	07-08	06-07	05-06	04-05	03-04	02-03
Certificates*	Billed by printing company after ordering			526	734	874	544	611	839	543	551	621	488	520	594	602	716	439	578
Stoles**	122	\$3,660.00	\$4,270.00	254	248	241	197	197	312	233	206	195	158	122	166	130	126	92	131
Keys**	237	\$2,488.50	\$3,555.00	38	57	70	74	20	167	36	19	81	29	22	47	38	51	17	32
¾-inch tie-tac**	218	\$4,360.00	\$4,796.00	114	156	85	57	43	53	73	44	18	55	87	85	114	54	55	8
1.25-inch tie-tac (discontinued)	-	-	-	-	-	-	12	6	10	1	1	7	14	2	21	0	2	3	1
1-inch pendant (discontinued)	-	-	-	-	-	-	-	1	2	0	0	1	0	4	3	3	1	12	2
¾-inch key pendant (discontinued)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	2	5
Ties (discontinued)	-	-	-	-	-	-	-	-	-	-	-	-	9	21	2	4	3	6	

Notes: *Initiate numbers are calendar year while certificate numbers are fiscal year

**Value of stole/jewelry stock includes mementos for the undergrad award, difference being about \$35 per applicant (by about 20 students) or about \$700 overvaluation

	Total	Checking	CD
Starting balance (including petty cash of \$95)	\$89,010.83	\$53,972.07	\$35,038.76
Income (initiation fee including cash & merchandise sale less overpayment)	\$30,343.50	\$17.53	<=CD interest during fiscal year
Certificate printing		-\$2,979.43	
Postage & mailing supplies		-\$93.67	
Stoles & postage		-\$8,250.00	
Keys (order for 250) [\$2661.84 paid on 7/11/17]		-\$2,661.84	
Small tie tacs (order for 300) [\$5,670+StateTax+shipping on 2/2/18]		-\$6,081.03	
Undergrad award checks		-\$2,750.00 (\$1,000 Andes+\$250x8 regions)	
Undergrad award chapter rebates		-\$1,000.00	
Annual award plaques, name plates, certificates, & postage		-\$1,505.11	
New chapter installation plaque		-\$65.66	
Triennial convention costs (excludes \$200 hotel deposit in 2016)		-\$14,743.44	
Secretary pay (Roy Myose)***		\$0.00	
Total expenses		-\$40,130.18	<=Should be \$40,130.18 (off by 50 cents)
Ending balance (including petty cash of \$186)	\$79,241.68	\$44,185.39	\$35,056.29
Cash on hand merchandise value** total	\$79,241.68	\$12,621.00	\$91,862.68 <= includes \$2750x7 + \$1246 (= \$20,496) \$71,366.68 <= excludes amount saved up for IRS filing costs

***Secretary opted to forgo 2017-18 pay (7th time) so that National can save up funds to pay for IRS Exemption User Fees.

SGT Awards	A	R	N	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	
Northeastern Region																														
Boston University	0	6	19																		N	N	N	N	N	N	R	R		
Clarkson University	0	2	4																											
MIT	1	1	3																				N					N	A	
<i>Polytechnic University (retired)</i>	1	3	11	N	A		N	R	R				N							N	N	N			N	N				
Rensselaer University	2	11	15	N	N	R					A	R	A		N	R	R	N	R	R		R	R							
SUNY, Buffalo	0	0	1																			N								
Daniel Webster College	0	3	7																											
Syracuse University	1	18	34							N	N	R	R	R	N	R	R	N	N	R	N	N	R	N	N	A	R	R	N	
Mid-Atlantic Region																														
Maryland, University of	1	2	9	N	A		N						N															N		
Pennsylvania State Univ.	1	10	31	R	N		A	N		N	N	N			N	R				N	N	R	N	N	N	N	N		R	R
Virginia, University of	2	9	20							N			N	N	R	N				R	N	R		N	N	R				
Virginia Polytech University	4	16	33	N		R	R	N	N	N	N	N	R	N	N	N	N	N	N	R	N	N	R	N	R	A	A	N	N	
West Virginia University	0	1	19	N	N			N				N		N	N	N	N						N			N	N	N		
Southeastern Region																														
Central Florida, University of	0	3	8																											
Embry-Riddle Aeronautical Univ.	0	3	20						N								N		N	N	N	N	N	N	N	N	N	N		
Florida, University of	0	0	10												N	N			N	N	N	N	N	N	N	N		N		
Florida Institute of Technology	0	0	1																											
Georgia Institute of Technology	0	12	24	N	N			R	N	N	N	R			N	R	N		N						N		R	N		
North Carolina State University	0	6	18	R	N									N	R	N	N		N		R	N		R	N	N	N	R		
Alabama - Huntsville, Univ. of	0	0	1																											
Alabama - Tuscaloosa, Univ. of	0	6	18							N		N						R	N	R	N		N	N	R	R		N		
Auburn University	1	9	31	N	R		N	R		R	R	N		R	N	R	N	R		N	N	R	N	N	N	N	N	N		
Mississippi State University	3	16	25	N	N			A	N			N		A	N			N	N	R										
Tennessee, University of	1	4	9																N	N	N		R		N			N		
Tuskegee University	0	0	0																											
Great Lakes Region																														
Air Force Institute of Technology	0	0	0																											
Cincinnati, University of	1	2	7			N			R		N	N			N															
Illinois - Urbana, University of	1	3	10																		R	N	N	N	N		A		N	
<i>Illinois Institute Tech (inactive)</i>	0	0	1																		N									
Michigan, University of	1	6	14							N	A	R	N	N	N	N	N	R							N		N	R		
Notre Dame, University of	2	12	36								N		R	R	R	N	N	N	N		A	R	N	N	N	N	N	N		
Ohio State University	0	3	8																											
Purdue University	5	17	37	A	R	A	R	R		N	R										N	N	N	N	A	R	N	R		
<i>Tri-State University (retired)</i>	0	1	5																		R	N	N	N						
Western Michigan University	0	0	0																											
North Central Region																														
Air Force Academy, United States	4	11	23																									N		
Colorado, University of	1	2	9										N	A																
Iowa State University	1	1	12					N		A		N				N														
Kansas, University of	2	14	45	R	N	R	N	N	N	N	N	N	R	N	N	N	R	R	A	R	R	A	R	R	R	N	N	N		
<i>Minnesota, Univ. of (inactive)</i>	1	2	6	N	R		N	A	N																					
Missouri-Rolla, University of	0	9	36			R	N	R	N	R	R	N	R	R	R	N	N	N	N											
<i>Parks College (inactive)</i>	0	0	0																											
Wichita State University	1	7	28					N																		N	R	R		
Southwestern Region																														
New Mexico State University	0	0	1																											
Oklahoma, University of	0	6	12																							R	R	R		
Oklahoma State University	0	4	9																		N	N	N	R		R				
Texas A&M University	6	28	31	R	R	R	R	R	R		N			R	A	A				R	A									
Texas at Arlington, University of	0	1	4												R		N													
Texas at Austin, University of	1	5	11			N	R								R	R	N			N	A	N				N	R			
Western Region																														
Arizona, University of	0	0	0																											
Arizona State University	0	1	3																					N	R	N				
Embry-Riddle Aero Univ-Prescott	0	9	16																				N	N	N		N			
San Jose State Univ.	0	2	5																				N	N	N					
Washington, University of	1	5	12																											
California - Irvine, University of	1	4	9																											
Cal Poly State Univ. - SLO	0	7	16													R	N													
Cal State Poly Univ. - Pomona	0	10	33				R		R		N																			
Cal State Univ. - Long Beach	0	0	0																											
<i>Northrop University (retired)</i>	0	1	2				R																							
San Diego State University	0	7	16					R	N			R	R	R	R	N	R	R	N	N										
Southern California, Univ. of	0	5	6								R																			

National/Regional/Nominations= 47 326 834 14 13 7 13 13 9 15 12 19 13 14 18 18 21 20 30 24 20 27 31 21 20 21 21 22 18
 2 National Winners^ ^2 Regional Winners ^2 Regional Winners ^2 Regional Winners
 ^2 Regional Winners Winners ^2 National & 2 Regional Winners

02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	A	R	N		
																						SGT Awards	
																						Northeastern Region	
R	N	R	N	N	N	R	N	N	R			N							0	6	19	Boston University	
									N	R									0	2	4	Clarkson University	
																			1	1	3	MIT	
																			1	3	11	<i>Polytechnic University (retired)</i>	
R																			2	11	15	Rensselaer University	
																			0	0	1	SUNY, Buffalo (Univ at Buffalo)	
												R	R	N	N	N	R	N	0	3	7	Southern New Hampshire Univ	
N		N	R	R	R	N	R	R	N		R		N	R	R	R	N	N	1	18	34	Syracuse University	
																			0	0	0	Worcester Polytechnic Institute	
																						Mid-Atlantic Region	
						N					R	N							1	2	9	Maryland, University of	
N	R	R	N	N	N		N	N	N	R	N	R							1	10	31	Pennsylvania State Univ.	
N				R	N	A	R	A	R						N				2	9	20	Virginia, University of	
R	N				R							N			R	A	R	A	R	4	16	33	Virginia Polytech University
N	N			R	N	N													0	1	19	West Virginia University	
																						Southeastern Region	
			R		N		R	N	R	N	N		N						0	3	8	Central Florida, University of	
N		N		N	N		N	R											0	3	20	Embry-Riddle Aeronautical Univ.	
																			0	0	10	Florida, University of	
																N			0	0	1	Florida Institute of Technology	
						R				R	R	R	R	R	R	R			0	12	24	Georgia Institute of Technology	
N		N	N	R															0	6	18	North Carolina State University	
																						South Central (as of 2005)	
									N										0	0	1	Alabama - Huntsville, Univ. of	
												N	N	N	N	N	R	R	0	6	18	Alabama - Tuscaloosa, Univ. of	
A	N					N	N			N	N		N		N	N	N	N	1	9	31	Auburn University	
						A	R		R	R	R	R	R	R	R	R	R	R	N	3	16	25	Mississippi State University
A		R																	1	4	9	Tennessee, University of	
																			0	0	0	Tuskegee University	
																						Great Lakes (Hilton Award from 12)	
																			0	0	0	Air Force Institute of Technology	
																			1	2	7	Cincinnati, University of	
						R	N	N											1	3	10	Illinois - Urbana, University of	
																			0	0	1	<i>Illinois Institute of Tech (inactive)</i>	
																			1	6	14	Michigan, University of	
N	N	R	R	N	R	R	N	N	N	N	N	N	N	N	R	N	A	N	N	2	12	36	Notre Dame, University of
										N	N	R	R		N	R	N		0	3	8	Ohio State University	
R	R	N	N	N	N	N	R	N	R	N	N	N	N	R	N	N	N	R	A	5	17	37	Purdue University
																			0	1	5	<i>In-State University (retired)</i>	
																			0	0	0	Western Michigan University	
																						North Central Region	
N	N	A	N	N	N	R	N		A	A	R	R	R	A	R				4	11	23	Air Force Academy, United States	
												N					R	N	1	2	9	Colorado, University of	
																			1	1	12	Iowa State University	
R	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	2	14	45	Kansas, University of	
																			1	2	6	<i>Minnesota, University (inactive)</i>	
N	N	N	R	R	N	N	N		N	N	N		N		N		N	0	9	36	Missouri Science & Technology U.		
																			0	0	0	<i>Parks College (inactive)</i>	
N	R	N	N	N	A	N	R	R	N	N	N	N	N	N	N	N	N	N	1	7	28	Wichita State University	
																						Southwestern Region	
																			0	0	1	New Mexico State University	
N	R	N	N																0	6	12	Oklahoma, University of	
																			0	4	9	Oklahoma State University	
R	N	R	R	R	R	R	A	N	R	R	A	R	A	R	R				6	28	31	Texas A&M University	
																			0	1	4	Texas at Arlington, University of	
																			1	5	11	Texas at Austin, University of	
																						Western Region	
																			0	0	0	Arizona, University of	
																			0	1	3	Arizona State University	
																			0	9	16	Embry-Riddle Aero Univ-Prescott	
																			0	2	5	San Jose State Univ.	
N	N	N	R	A	N	N	R	R	R										1	5	12	Washington, University of	
																						Southern Pacific (W till 08)	
																			1	4	9	California - Irvine, University of	
R	N																		0	7	16	Cal Poly State Univ. - SLO	
N	N	N	N	N	N	N	N	N	N	R	N	R	N	N					0	10	33	Cal State Poly Univ. - Pomona	
																			0	0	0	Cal State Univ. - Long Beach	
																			0	1	2	<i>Northrop University (retired)</i>	
N	N																		0	7	16	San Diego State University	
																			0	5	6	Southern California, Univ. of	

21 19 20 20 21 25 17 20 19 18 19 20 21 14 18 16 17 18 17 47 326 834 =National/Regional/Nominations
6 28 45 =Max winners (Nat/Reg) & nominees

Annual Undergraduate Awards Program – Judging Criteria

In late spring of 2020 (after winners were announced), a faculty advisor expressed concern about a lack of information provided for the selection criteria of winners to the Annual Undergraduate Awards program. That is, he expressed a desire to know how the judges rank the candidates. He mentioned that if the judging criteria were well known, then faculty advisors could make sure that candidates address those criteria in their application. In addition, he mentioned that feedback (on each application) would be helpful so that faculty advisors could better help the following year's candidates.

The following response was given by the current Vice President, Dr. Mohammad Sadraey, who is responsible for the Annual Undergraduate Awards Program during the 2019-21 period:

Dear __,

As you now, the selection of the national winner is a highly challenging task, since the candidates are generally outstanding AE students. We have three judges, and they are experienced in judging technical competitions. As the application form indicates, the following items are the criteria for evaluating the credentials and qualifications of the nominees.

- Grade Point Average
- Rank in graduating senior AE class (if available)
- Academic honors and distinctions (membership in honorary societies)
- Extracurricular activities (both engineering and non-engineering activities; and length of service in each)
- Technical achievements, e.g., special projects, technically related hobbies, published papers, etc. (emphasis is placed on the engineering creativity used)

Almost all of the applicants score well in items #1-3. In most years, #1 through 3 are not significant discriminators among the majority of the candidates since most of the packages are of very high quality. We have found the parameters that stand out for the top applicants is usually the students emphasis upon their 'volunteer' type work they do that is covered in the extra-curricular activities, technical achievements, and employment & summer jobs and their essay.

In general, candidates that distinguish themselves show evidence of longer duration participation in a few extracurricular activities (i.e. a deeper involvement and dedication to those activities, regardless if they are engineering or non-engineering). They also present a record of special projects, internships/co-op rotations and paper publications or presentations at conferences. An essay that shows a clear vision for academic and career goals is also a factor in rising above the other candidates.

If I were to advise applicants, I would focus on clear, concise statements that communicate academic honors and distinctions as well as the importance of those honors (e.g. "John E. Doe Scholarship recipient - one of only three sophomores in the College of Engineering so honored"). If one is an officer in a society (e.g. SGT, AIAA) note that position ("President 2019-2020"). If the candidate took a role of responsibly in a special project, clearly note the nature of that role ("Coordinated with five local airframe manufacturers to develop the awards package for the AIAA Region X Student Paper Conference"). If they were Chief Engineer for the DBF competition, explain that role ("Organized design reviews with the technical leads, acted as liaison with the academic advisor"). And note every single paper and/or presentation at a conference. Industry internships and co-op rotations are common among most candidates but also set those who have them apart from those who do not. The essay acts as an important discriminator for a crop of very close candidates. A successful essay shows evidence of a clear vision for academic and career goals, and should also be well-organized, spell-checked and (at least mostly) correctly punctuated.

Our assigned criteria to three judges are to be fair, and to consider only the application form and transcript for judging the applications.

I hope this helps.

BTW, we will include this topic in the 2021 convention agenda.

Kind regards,
Mohammad

*Comment by Roy Myose: Mohammad's reply to this faculty advisor provides a very good summary of our current judging criteria. Feedback from judges is not part of the current process so it should not be undertaken without considering its implications. Requiring feedback may impact judges' willingness to volunteer (if it becomes burdensome), it may become too restrictive by possibly overemphasizing one area (e.g. research publication over volunteer activities vs. our current criteria of selecting the best overall AE / SGT candidate), whether some students / advisors may get upset about the results (especially if a balanced candidate wins one year but a superstar researcher wins the next), etc. Judges choose a winner from a group and their characteristics are **different** each year. Sometimes TMI (too much information) can create rather than solve problems.*