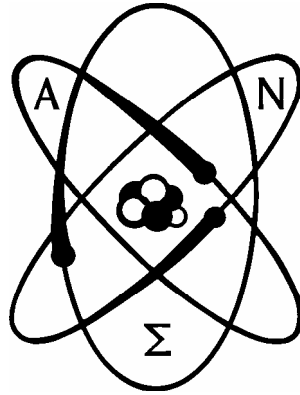


Alpha Nu Sigma Society



Honor Society for Nuclear Science
and Engineering

CONSTITUTION

Foreword

Nuclear Engineering departments across the country are experiencing a great resurgence in student populations these days. Accompanying the increase in student numbers and accomplishments is a renewed interest from their faculty in honoring the students' academic achievements.

The current emphasis on Alpha Nu Sigma chapter reactivation and applications from schools to form new chapters is reinvigorating the Society. There are now 23 chapters and over 2,000 members, with further increases anticipated. Consistent with this resurgence in nuclear engineering education, the Board of Directors has provided minor updates to the Alpha Nu Sigma Constitution to better serve the current and future needs of the members. We have high hopes for further growth of the Society and of our students and the support that Alpha Nu Sigma will provide.

March 4, 2005

A handwritten signature in black ink that reads "Karen Vierow". The letters are cursive and slightly slanted to the right.

Karen Vierow, President (2004-2006)

P.S. Please refer to the inside back cover of this document for some important perspectives about the Alpha Nu Sigma Honor Society for Nuclear Science and Engineering. These perspectives are provided by a few prior Honor Society Presidents, and Alpha Nu Sigma expresses sincere appreciation to these individuals for their dedicated contributions, as well as for the good help of our many other leaders, both past and present.

CONSTITUTION OF THE ALPHA NU SIGMA SOCIETY

Article I. NAME, MOTTO AND SYMBOL

Section 1.

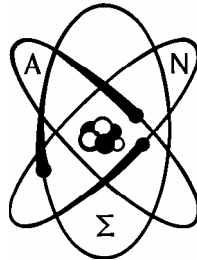
The name of this honor society shall be the Alpha Nu Sigma Society, an affiliate society of the American Nuclear Society.

Section 2.

The motto of the Alpha Nu Sigma Society shall be "ΑΑκὴ Νεαγέγονας δια Σοφία," meaning "ENERGY NEWLY BORN THROUGH WISDOM."

Section 3.

The symbol of the Alpha Nu Sigma Society shall consist of three ellipses representing electron orbits surrounding a nucleus of protons and neutrons. The letters A, N, and Σ shall be superimposed as shown below.



This symbol shall appear on membership certificates and on charters for local chapters.

Article II. OBJECTIVE

The objective of the Alpha Nu Sigma Society shall be to recognize high scholarship, integrity, and potential achievement in applied nuclear science and nuclear engineering among outstanding students by means of membership in the Society.

Article III. NATIONAL ORGANIZATION

Section 1.

The Alpha Nu Sigma Society shall be affiliated with the American Nuclear Society. The Headquarters Office of the American Nuclear Society shall act as the Secretariat for Alpha Nu Sigma.

Section 2.

The Board of Directors of the Alpha Nu Sigma Society shall be the Executive Committee of the Education and Training Division of the American Nuclear Society.

Section 3.

The President shall be elected by the Board of Directors of the Alpha Nu Sigma Society and shall serve for a two-year term.

Section 4.

The Vice President/President Elect shall be elected by the Board of Directors of the Alpha Nu Sigma Society and shall serve for a two-year term.

Section 5.

The Executive Secretary shall be appointed by the Board of Directors of the Alpha Nu Sigma Society and shall serve for a three-year term.

Article III (cont'd.)

Section 6.

The Treasurer shall be appointed by the Board of Directors of the Alpha Nu Sigma Society and shall serve for a three-year term.

Section 7.

Applications for charters for local chapters shall be submitted to the American Nuclear Society Headquarters for review by the Officers of the Alpha Nu Sigma Society. If deemed acceptable, the applications will be forwarded to the Board of Directors of the Alpha Nu Sigma Society for review. After their approval of an application for a local chapter, a charter shall be issued by the Executive Secretary of the Alpha Nu Sigma Society. Local chapters shall be designated by state followed by a Greek letter, for example, Alabama - Alpha Chapter, Alabama - Beta Chapter, etc. of the Alpha Nu Sigma Society.

Section 8.

The Executive Secretary of the Alpha Nu Sigma Society shall maintain a file of all active chapters of the Society. The charter of a local chapter may be rescinded for good cause by majority vote of the Board of Directors on the recommendation of the Officers of the Alpha Nu Sigma Society. A period of inactivity for three calendar years by a local chapter shall constitute good cause for termination of that chapter.

Section 9.

The Treasurer shall review all financial accounts of the Society and shall submit an annual financial report to the Board of Directors. Initiation fees for new chapters and national membership fees for new members shall be established by the Board of Directors in consultation with the Officers of Alpha Nu Sigma and the Executive Director of the American Nuclear Society.

Section 10.

Only those institutions of higher learning which have a student section of the American Nuclear Society may be granted a charter for a local chapter of the Alpha Nu Sigma Society.

Article IV. LOCAL OFFICERS

Section 1.

The Elected Officers of the Alpha Nu Sigma Society shall be the President, the Vice President and the Secretary/Treasurer of the chapter. The Officers shall be elected annually at the beginning of the fall term. The term of the Officers shall be nominally one year, beginning within one week after the election. The uncompleted term of an Officer who vacates the position between annual elections shall be filled as determined by a majority vote of the Alpha Nu Sigma Society student membership. Positions must be filled within two weeks of the notification of vacancy.

Section 2.

Officers should be elected from a slate of at least two nominations. All nominees shall be student members of the Alpha Nu Sigma Society.

Article V. DUTIES OF THE LOCAL OFFICERS

Section 1.

The President shall represent the interests of the chapter of the Alpha Nu Sigma Society and shall have administrative authority over all matters of the Society. He or she shall also be responsible (with the administrative assistance of the Faculty Advisor) for the election of new initiates at the beginning of each academic term.

Section 2.

The duty of the Vice President shall be to preside in the absence of the President and to otherwise assist him in administration of the Society.

Article V (cont'd.)

Section 3.

The duty of the Secretary shall be to maintain the necessary records of the chapter. The Office of Secretary may be combined with that of the Treasurer.

Section 4.

The duty of the Treasurer shall be to manage the financial affairs of the chapter.

Section 5.

The name of the Faculty Advisor shall be submitted with the application for a chapter charter. The Faculty Advisor must be a member of the national American Nuclear Society and is encouraged to be a member of Alpha Nu Sigma. If a new Faculty Advisor is named, the Secretary of the local chapter shall notify the Executive Secretary of the Alpha Nu Sigma Society. The duty of the Faculty Advisor shall be to assist the Local Chapter Officers in the election of new initiates, in the election of Local Officers and in other appropriate ways. The Faculty Advisor may also serve in the same role for the student section of the American Nuclear Society.

Article VI. MEMBERSHIP SELECTION CRITERIA

Section 1.

Candidates for membership in Alpha Nu Sigma must be enrolled in a program to pursue an academic degree in an applied-nuclear-science, nuclear-engineering, or nuclear-engineering-option curriculum. They must meet specific class-ranking criteria within a peer group. At the option of the local Alpha Nu Sigma Chapter, peer group may be defined in one of the following two ways: (1) all students of equal classification in an academic department or equivalent administrative unit; or (2) all students of equal classification in an academic college or equivalent administrative unit.

Juniors shall be eligible if they rank in the top quarter of their peer group. Seniors shall be eligible if they rank in the top third of their peer group. Graduate students must also be in the top third of their peer group to become members-elect.

Faculty members shall also be eligible for membership in Alpha Nu Sigma.

Section 2.

Distinguished Faculty Member honor is a level of membership used by Alpha Nu Sigma Chapters to recognize distinguished local nuclear engineering educators. Criteria which will be considered to evaluate nominations include: specific accomplishments having impact on nuclear science and engineering education, and as demonstrated through authored textbooks and/or technical publications. Distinguished Faculty membership can only be approved by the National Officers of the Alpha Nu Sigma Society.

Section 3.

Honorary membership may be awarded to individuals who have made exemplary contributions in the field of nuclear science and engineering that have had seminal permanent impact nationally or internationally. Honorary memberships can only be approved by the Board of Directors of Alpha Nu Sigma.

Article VII. MEMBERSHIP ELECTION PROCEDURES

Section 1.

The officers of the Local Alpha Nu Sigma Chapter together with the Faculty Advisor shall be responsible for elections. The chapter shall elect the Alpha Nu Sigma Society membership nomination committee from among the members of the chapter. The President shall preside over the membership nominating committee. Membership shall be offered to the nominees following approval by a majority of the current local membership of the Society, based only upon the selection criteria specified in Article VI and the objectives of Alpha Nu Sigma as stated in Article II.

Section 2.

Elections shall be held in the fall and/or spring of each school year.

Article VII (cont'd.)

Section 3.

The initiation fee shall cover the expenses of a membership certificate prepared and distributed by the national headquarters' office. An insignia pin will be offered at an additional cost. An additional fee for local chapters shall be established by the Officers of the local chapter to cover the costs of the initiation ceremony. Any excess of local initiation fees shall be given to the treasury of the local student section of the American Nuclear Society or to any project approved by the officers of the Alpha Nu Sigma Society.

Section 4.

For institutions having student chapters of the Alpha Nu Sigma Society, the Faculty Advisor shall submit every year a list certifying, for each nominee, that he or she has met the membership qualifications as described in Article VI, Section 1. This list shall be submitted to the Executive Secretary of the Alpha Nu Sigma Society.

Section 5.

Nomination and supporting documentation for Distinguished Faculty Membership must be prepared by the chapter and forwarded under the signature of the Chapter Officers and the Faculty Advisor to the Alpha Nu Sigma National Executive Secretary for presentation and approval by the National Officers. Each nomination package will be unique, but typically it will emphasize the educational, research, and service contribution of the faculty member. Each chapter is allowed to nominate up to two faculty members per year for this honor.

Section 6.

Recommendations for Honorary Members shall be submitted to the Executive Secretary for review by the Officers of the Society. If deemed acceptable, the recommendations will be transmitted to the Board of Directors who must approve each application for honorary membership by a two-thirds majority. Local chapters may nominate no more than two Honorary Members each year and no more than ten Honorary Members each year may be nominated at large; at large nominations must be made by the National Officers acting together. A certificate prepared by the national organization shall be presented to each Honorary Member.

Article VIII. AMENDMENTS TO THE CONSTITUTION

The constitution of the Alpha Nu Sigma Society may be amended by a three-fourths vote of the total membership of the Board of Directors.

Article IX. RETROACTIVE MEMBERSHIP

Retroactive membership in the Alpha Nu Sigma Society may be granted to those members of any local chapter of a nuclear engineering honor society which existed prior to the national organization of the Alpha Nu Sigma Society. Applications for retroactive membership must be filed by the Faculty Advisor of the local honor society chapter.

Article X. COMMITTEES

Section 1.

The Board of Directors shall appoint a standing Committee on Constitution and Bylaws. The President and Vice President/President Elect shall serve ex officio as members of the standing committee.

Section 2.

The Board of Directors shall appoint a standing Committee on Finance. The Treasurer shall serve ex officio as a member of the standing committee.

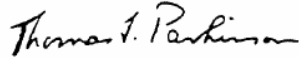
Section 3.

The Board of Directors shall appoint other ad hoc committees as deemed appropriate.

SOCIETY PRESIDENTS

Organization of a national honor society for outstanding students in applied nuclear science and nuclear engineering has been discussed for at least the last five years. Lacking a national society, several universities initiated local honor societies. In November 1978 Professor John R. Lamarsh, Chairman of the Education Division of the ANS, appointed an Ad Hoc Committee to draw up a constitution for a national honor society. Members of this committee included H J. Donnert, D. R. Edwards, J. B. Smathers and T. F. Parkinson, Chairman. On June 5, 1979, the Ad Hoc Committee submitted the Constitution for the Alpha Nu Sigma Society which was approved by the Education Division and, subsequently, by the Board of Directors of the American Nuclear Society.

June 25, 1979



Thomas F. Parkinson, President (1979-81)

In June 1982, Alpha Nu Sigma reached its third anniversary with 17 chapters and 320 members. As the Society has grown and matured, the officers found it necessary to recommend changes and additions to the original Constitution. These were reviewed and unanimously approved by the Board of Directors of Alpha Nu Sigma on June 7, 1982. All these changes are incorporated into this amendment to the Constitution. I hope it will adequately serve the needs of our Society and its current and prospective membership for several years to come.

June 30, 1982



M. J. Ohanian, President (1981-83)

At the end of 1985, Alpha Nu Sigma had grown to 23 chapters and 920 members. As activities of individual chapters evolved, the need became apparent for an appropriate format of special recognition to be bestowed on distinguished faculty members by their local chapters. In response, the officers proposed to amend the membership selection criteria by adding the new category of Distinguished Faculty Member. This proposal was reviewed and approved by the board of Directors of Alpha Nu Sigma on November 11 1985

January 1, 1986



Hermann J. Donnert, President (1986-87)

The Alpha Nu Sigma National Honor Society has progressed a long way from June 5, 1979 when the ad hoc committee submitted the first constitution to be approved by the ANS Education Division and subsequently by the ANS Board of Directors. On the occasion of its eleventh anniversary, the Alpha Nu Sigma Society is now a mature Society which has grown to include 26 chapters with a total membership of 1,480 in December 1990. This membership includes 23 members at the Honorary member level and another eight members at the relatively new Distinguished Faculty Member level initiated in 1986. As well, this membership includes all those members who have graduated and are now in the workforce. During my two-year tenure as the sixth President of Alpha Nu Sigma, I have witnessed continued growth of the Society in all categories; I am particularly pleased that we have chapters at nearly all campuses with major nuclear engineering programs and am looking forward to continued growth with special emphasis on the honorary and distinguished faculty member categories.

December 12, 1990



William G. Vernetson, President (1989-91)

