

1. SIGMA XI, THE SCIENTIFIC RESEARCH HONOR SOCIETY

2. BYLAWS OF THE SOCIETY

3. **BYLAW I.** Activities of the Society. Activities appropriate to the
4. fulfillment of the object of the Society include: the election to
5. membership and associate membership in the Society of students,
6. faculty members, investigators in research institutions and others
7. who meet the requirements for membership set forth in Article II,
8. Section 3 A and B of the Constitution; the maintenance of
9. companionship among the membership in various fields of science
10. through association with chapters; the holding of meetings for the
11. discussion of scientific subjects; the publication of American
12. Scientist and other publications devoted to the dissemination of
13. scientific information, especially the results of research in progress;
14. and the encouragement of scientific research through other means
15. such as Grants-in-Aid of Research to individual investigators, the
16. presentation of awards for excellence in research and the
17. maintenance of the lectureship programs.

18. BYLAW II. Membership in the Society

19. **Section 1. Membership of Chapters. A. Chapters.** The
20. membership of a chapter, subject to the requirements of Article IV,
21. Section 1 of the Constitution, shall consist of the active Members and
22. the active Associate Members who present satisfactory credentials
23. showing election to membership in the Society, who request
24. affiliation with the chapter and who are accepted by the chapter.
25. They shall be recorded as such in the Headquarters of the Society.

26. **B. Membership-at-Large.** The membership-at-large, subject to the
27. requirements of Article IV, Section 1 of the Constitution, shall
28. consist of the active Members and the active Associate Members
29. who are not affiliated with any chapter. They shall be recorded as
30. such in the Headquarters of the Society.

31. Section 2. Criteria for Membership. A. General Requirements.

32. In the expanding field of science, enumeration of those disciplines
33. appropriate to membership in the Society is not possible as the sole
34. basis for defining the criteria for membership. For this reason,
35. nomination of an individual engaged in scientific research may be
36. made provided that the nominee is, by the quantitative emphasis of
37. the work combined with its synthesis and qualitative stature, deemed
38. eligible for nomination.

39. **B. Noteworthy Achievement.** Noteworthy achievement in research
40. specified for election or promotion to full membership, Article II,
41. Section 3 A of the Constitution, must be evidenced by publications,
42. patents, written reports or a thesis or dissertation. Membership in the

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43. Society is neither linked to the possession of any degree nor
44. contingent upon belonging to some other organization.
45. **C. Research Aptitude.** Research aptitude specified for election to
46. associate membership, Article II, Section 3 B of the Constitution,
47. must be evidenced by independent investigation or by two or more
48. letters of reference from the supervisor and colleague(s),
49. which state the nominee's scientific contributions. Associate
50. membership is offered to encourage young investigators with
51. promise to continue careers in research and to the bench
52. scientists and technicians who "do" the research but may
53. never be recognized as authors or cannot be authors but
54. hold full jobs in science research. In making the nomination
55. for such membership, both the nominator and the seconder attest to
56. the nominee's potential for future promotion to Member or
57. for continuation of their membership as an Associate Member.
58. **Section 3. Nomination and Election and Initiation Procedures.**
59. **A. Responsibility.** The Committee designated by the Board will
60. have responsibility to set policy regarding nomination, election, and
61. initiation procedures. Changes in policy will be communicated to
62. the chapters for a comment period of not less than 30 days. After the
63. comment period the changes may be revised for a new comment
64. period. Should fifteen (15) or more chapters object to a policy
65. change in writing and objections cannot be resolved in a new
66. comment period, the policy change will be held in abeyance until
67. the next Assembly of Delegates where it will be presented for vote.
68. Otherwise the policy change will be implemented upon the close of
69. the comment period.
70. **B. Honorary Members.** Honorary Members shall be initiated into
71. the Society by the President, or by a person designated by the
72. President, at a suitable ceremony.
73. **C. Pledge of the Society.** Members-elect and Associate Members-
74. elect shall be informed of the aims and objectives of the Society, and
75. shall be required to assent, either orally or in writing to the president
76. of the electing chapter or the president's deputy, or in writing to the
77. Chair of the committee designated by the Board, to the following
78. Pledge: "Do you hereby pledge yourself, in accordance with the
79. purposes and objectives of Sigma Xi, The Scientific Research Honor
80. Society, to encourage original investigations in science, to foster
81. companionship and cooperation among scientists, to maintain honor,
82. integrity and honesty in all scientific activities, and to assume the
83. other continuing responsibilities of membership?" Members-elect
84. and Associate Members-elect who attend a regular initiation are

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85. expected to have read the culture, mission and vision statements of
86. the Society, whereupon they are admitted to membership in the
87. Society.

88. D. Certificate of Membership. (i) Members and Associate

89. **Members.** Upon admission to membership, each new Member or
90. Associate Member shall receive a certificate of membership which
91. shall be in a form approved by the Assembly of Delegates, bear the
92. Seal of the Society, and be signed by the President of the Society, the
93. Executive Director, and the president and secretary of the electing
94. chapter or the Chair of the committee designated by the Board. Each
95. new Member or Associate Member shall also receive the official
96. emblem or the authorization to secure such emblem.

97. **(ii) Honorary Members.** Honorary Members shall receive a
98. suitable certificate of membership approved by the Board of
99. Directors, bearing the Seal of the Society, and signed by the
100. President and the Executive Director.

101. Section 4. Changes in Membership Status. A. Active to Inactive

102. Active members who fail to comply with the provisions of Article
103. IV, Section 1 of the Constitution shall be transferred to inactive
104. membership, and shall be recorded as such in the Headquarters of the
105. Society.

106. **B. Inactive to Active.** An inactive member may, at any time and at
107. the member's discretion, be returned to active membership by
108. complying with the provisions of Article IV, Section 1 of the
109. Constitution, and by indicating to the Headquarters of the Society the
110. chapter, or the membership-at-large, with which the member wishes
111. to be affiliated. Such change shall be recorded appropriately in the
112. Headquarters of the Society.

113. C. Emeritus Status. Once

114. Initiated into the Society and upon reaching the
115. age of 65 having been initiated at least 30 years ago a member,
116. full or associate, may upon retirement request emeritus status.
117. This status permits continued
118. active association with the Society as provided for in Bylaw IV,
119. Section 1 A (iii).

120. D. Policy on removal of Directors, Officers, or members.

121. Directors, Officers, or members can be dismissed for cause in
122. accordance with policy set by the Board of Directors. Changes in
123. policy will be communicated to the chapters for a comment period of
124. not less than 30 days. After the comment period the changes may be
125. revised for a new comment period. Should fifteen (15) or more
126. chapters object to a policy change in writing and objections cannot

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127. be resolved in a new comment period, the policy change will be held
128. in abeyance until the next Assembly of Delegates where it will be
129. presented for vote. Otherwise the policy change will be
130. implemented upon the close of the comment period.

131. BYLAW III. Organization of the Society

132. Section 1. Chapters. A. Chapters. (i) Location and

133. **Requirements for a Chapter.** A chapter may be established by
134. action of the Board of Directors, advised by a committee designated
135. by the Board , at any location where scientific research is cultivated
136. and promoted. Of considerable importance are evidences of official
137. commitments to the development and support of research by the
138. institution in the immediate and long-range future.
139. Ordinarily locations approved for chapter status will be single
140. educational, governmental, or industrial institutions whose
141. permanency is reasonably assured. In some instances chapters may
142. be approved at locations whose research strength and potential is
143. dependent upon the combined research organizations of two or more
144. institutions so situated physically that they can participate together as
145. companions in zealous research.

146. Before any petitioning group can be recommended for chapter status,
147. a committee designated by the Board shall ascertain by inquiry,
148. study, and visits, where appropriate, if the conditions at the
149. institution(s) involved are conducive to further scientific research.

150. (ii) **The Petition.** A petition for the granting of a charter for the
151. establishment of a chapter shall be communicated to the Executive
152. Director, who, in turn, shall refer it to the committee designated by
153. the Board to determine the suitability of the petition. At least 10
154. active full or associate members, must agree in the petition to
155. become members of the chapter. If the
156. committee , by at least a three-fourths majority vote, recommends
157. approval of the Board of Directors, and it, in turn, approves by a like
158. vote, the Executive Director shall initiate the process of installation
159. of a new chapter.

160. (iii) **Chapter Charter.** Each charter for the establishment of a new
161. chapter shall be signed by the President and the Executive Director,
162. and shall be presented by the installing officer to the petitioning
163. group at a special installation ceremony arranged by the petitioning
164. group in consultation with the Executive Director. The form of the
165. charter is set forth in Bylaw III, Section 1 D (i) and (ii), below.

166. (iv) **Affiliation with a Chapter.** A Member or Associate Member,
167. upon presenting satisfactory credentials showing election to
168. membership in the Society, and complying with the provisions of

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169. Article IV, Section 1 of the Constitution, is entitled to appropriate
170. membership in any chapter depending upon such relationship to the
171. institution(s) hosting the chapter as said institution(s) may require.
172. **(v) Revocation of a Chapter Charter.** Any chapter not in good
173. standing (Bylaw III, 1C) will be placed on probation for a one year
174. period by the committee designated by the Board to oversee chapter
175. activities. If after one year on probation, a chapter has not returned
176. to good standing, the committee may initiate the necessary action for
177. revocation of the chapter's charter as indicated below. The charter of
178. a chapter may be revoked by the Board of Directors, by a three-
179. fourths majority vote of those present at a meeting of the Board,
180. provided the Board action was taken in response to a three-fourths
181. majority vote of the members of the committee present at a meeting
182. following a thorough investigation of the chapter concerned and the
183. taking of all possible remedial steps to preclude the necessity for
184. such action by the committee.

185. **B. Good Standing of Chapters.** The Committee designated by the
186. Board will have responsibility to set policy regarding good standing
187. of chapters. Changes in policy will be communicated to the chapters
188. for a comment period of not less than 30 days. After the comment
189. period the changes may be revised for a new comment period.
190. Should fifteen (15) or more chapters object to a policy change in
191. writing and objections cannot be resolved in a new comment period,
192. the policy change will be held in abeyance until the next Assembly
193. of Delegates where it will be presented for vote. Otherwise the
194. policy change will be implemented upon the close of the comment
195. period.

196. C. (reserved)

197. **D. The Charter.** The charter issued to a chapter shall contain two
198. paragraphs, to wit:

199. **(i) First Paragraph.** The first paragraph of the charter of a chapter
200. shall be in the following form:

201. "Be it hereby known that a charter for the establishment of a chapter
202. of Sigma Xi, The Scientific Research Honor Society atto be known as
203. theChapter, is hereby granted to the following persons as
204. Charter Members and Charter Associate Members, conveying to
205. them and to their duly elected successors all the privileges and
206. responsibilities conferred by the Constitution of the Society; (list of
207. names)"

208. **(ii) Second Paragraph.** The second paragraph of the charter of a
209. chapter shall be in the following form:

210. "In witness whereof, the signatures of the President and the

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211. Executive Director, together with the Seal of the Society, are
212. hereunto affixed on theday ofin the year....."

213. **E. Geographic Regions.** Chapters located in North America are
214. assigned to the geographic region in which they are located.
215. Chapters located outside North America shall be assigned to a
216. geographic region by the Board of Directors after consultation with
217. the chapter. A chapter having special ties to a chapter in another
218. region may ask to be reassigned, and the Board of Directors shall act
219. on such requests. Once each decade the Board of Directors shall
220. evaluate the distribution of members and chapters within the
221. geographic regions and make appropriate changes to geographic
222. boundaries.

223. **F. Constituency Groups.** Chapters located in the United States and
224. its territories are assigned by the Board of Directors to one of four
225. constituency groups of chapters from similar institutions. Chapters
226. located outside of the United States and its territories are assigned to
227. the Canadian/International constituency group. A chapter may ask to
228. be reassigned to a different constituency group, and the Board of
229. Directors shall act on such requests.

230. **Section 2. The Assembly of Delegates. A. Duties of the**
231. **Assembly.** The Assembly of Delegates shall meet in
232. General Session either annually, biennially or at the discretion of the Board of
233. Directors at which time the delegates shall consider and act
234. upon business. Elections of officers will be carried out as described
235. in Bylaw III 3. Elections of Directors, Associate Directors, and
236. members of the Committee on Nominations will be carried out as
237. described in Bylaw III 4. While in-person meetings are preferred,
238. such Assemblies may be convened by any means that provide for
239. discussion as needed to complete the business of the Assembly,
240. including electronic.

241. **B. Caucuses.** In addition to the General Sessions of the Assembly
242. of Delegates attended by all delegates, the Annual Meeting
243. or Biennial Meeting or a convening of the Assembly of Delegates at the
244. discretion of the Board of Directors shall provide time for caucuses of
245. each geographic region and
246. constituency group at which time the delegates may meet and
247. conduct such discussions and business, including the election of a
248. Director, a member of the Committee on Nominations, and members
249. of the region or group nominating committees, as may be required.
250. The appropriate Director shall preside over each caucus. Directors
251. prepare agendas of matters to be discussed, which shall include
252. matters of interest to science and to the Society as a whole, as well as

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253. matters specific to the interest of the geographic region or
254. constituency group. The Director may act as spokesperson for the
255. geographic region or constituency group at General Sessions of the
256. Assembly of Delegates. In years when the Assembly is not held in
257. person, caucuses may be held by any means that provide for
258. discussion as needed to complete the business of the caucus.

259. C. (reserved)

260. D. (reserved)

261. E. (reserved)

262. F. Agenda of the General Session of the Assembly of Delegates.

263. (i) **Order of Business.** The Preliminary Agenda of the General
264. Session of an Assembly of Delegates shall set forth the order of
265. business proposed by the President. The Preliminary Agenda may be
266. amended at the opening of the First Session of said Assembly, and
267. shall be adopted by a majority vote of the Assembly of Delegates.

268. (ii) **Change in the Order of Business.** The regular order of
269. business, having been adopted, may be suspended or modified by a
270. three-fourths majority vote of the Assembly of Delegates.

271. (iii) **Rules of Order.** Meetings of the Assembly of Delegates shall
272. be conducted in accordance with the current edition of Robert's
273. Rules of Order Newly Revised, except when in conflict with the
274. Constitution or Bylaws, in which case the Constitution or Bylaws
275. shall prevail. The President shall serve as the presiding officer of the
276. Assembly and the Executive Director as its secretary. The presiding
277. officer may limit debate for the purpose of maintaining the time
278. schedule of the Assembly.

279. (iv) **Limitations on Resolutions.** (a) No resolution, except those
280. reported by official committees or those hereinafter defined, will be
281. in order for consideration by an Assembly of Delegates unless
282. having been presented first to the Committee designated by the
283. Board. All proposed resolutions of a substantive nature, including
284. motions, to be eligible for passage at an Assembly of Delegates, must
285. have been submitted 120 days prior to the convening of that
286. Assembly of Delegates and circulated to the chapters 30 days in
287. advance of the meeting. The Executive Director shall inform the
288. chapters of the final date for submission of proposed resolutions, and
289. invite the chapters to make their submissions through the Executive
290. Director. (b) Motions and resolutions of a substantive nature offered
291. by the Board of Directors, or motions and resolutions merely
292. expressing the sense of the Assembly, such as commemorative
293. resolutions, are exempt from this provision. (c) Proposals
294. concerning resolutions of a substantive nature may be considered by

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295. the Assembly of Delegates for inclusion on the agenda of the next
296. Assembly of Delegates, and a majority vote of the current Assembly
297. of Delegates on such a proposal shall require that it be placed on the
298. agenda of the next Assembly.

299. (v) **Policy on Resolutions.** The Committee designated by the Board
300. will have responsibility to set policy regarding the handling of
301. resolutions as submitted by chapters. Changes in policy will be
302. communicated to the chapters for a comment period of not less than
303. 30 days. After the comment period the changes may be revised for
304. a new comment period. Should fifteen (15) or more chapters object to
305. a policy change in writing and objections cannot be resolved in a
306. new comment period, the policy change will be held in abeyance
307. until the next Assembly of Delegates where it will be presented for
308. vote. Otherwise the policy change will be implemented upon the
309. close of the comment period.

310. **Section 3. Officers of the Society.** A. Officers The officers of the
311. Society consist of the President, Past-President, President-Elect, and
312. the Treasurer. The Executive Director serving as Executive
313. Secretary is also an Officer of the Society but without vote.

314. **B. Election of Officers. (i) Nomination by the Committee on**
315. **Nominations.** The Committee on Nominations shall present to the
316. chapters through the Executive Director, at least 60 days prior to the
317. convening of the Assembly of Delegates, a report which shall
318. provide: (a) at least two nominees for President-elect; (b) at least
319. two nominees for Treasurer, when required; together with (c) the
320. normal biographical information such as would be available in
321. standard publications and, in addition, data on past service to the
322. Society together with the assurance that the nominee will serve if
323. elected. To assist the Committee in its selection of nominees for
324. Treasurer, the President, in consultation with the President-elect and
325. the Chair of the Committee, shall appoint a search committee of not
326. less than three and not more than five persons, none of whom may be
327. an officer of the Society and not more than two of whom may be
328. members of the Committee on Nominations. The search committee
329. shall be appointed not less than three months before the Committee
330. on Nominations meets to determine its nominees for Treasurer.
331. In seeking candidates for President-Elect, the Committee on
332. Nominations shall make clear to potential candidates that election is
333. to a three year term, each year with distinct title, duties, and
334. responsibilities, and that additionally there are duties and
335. responsibilities associated with being a retired president. Further, it
336. shall be made clear that failure to complete any part of the three year

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337. term for any reason will end the term in full—the President-Elect
338. must be in office on the day of transition to assume the title and
339. duties of President; the President must be in office on the day of
340. transition to assume the title and duties of Immediate Past President;
341. and the Immediate Past President must be in office on the day of
342. transition to assume the title and duties of a retired president.
343. (ii) **Additional Nominations.** Additional nominations for
344. President-elect and for Treasurer may be made provided each
345. nominee is supported by at least three chapters and further provided
346. that the chapters have been furnished by the proposers through the
347. Executive Director at least 21 days prior to the convening of the
348. Assembly of Delegates with the name of the nominee and the
349. additional information required in (i) above.
350. **C. Voting.** Voting for officers shall be by ballot, which may be electronic.
351. Each active full and associate member shall have one vote. The vote
352. shall be completed within one month of the Assembly of Delegates.
353. **D. Vacancies. (i) In One Office.** In the case of a vacancy in the
354. office of President, the President-elect shall assume the office and
355. the duties of the President they succeed and also serve the full
356. presidential term of one year for which they were elected. In the case
357. of a vacancy in the office of President-elect, the most recently retired
358. president shall assume the duties, but not the office, until the next
359. Assembly of Delegates, at which time both a President and a
360. President-elect shall be elected. The newly elected President shall,
361. in the interim between election by the Assembly of Delegates and the
362. beginning of the elected term, serve as the President-elect. In the
363. case of a vacancy in the office of Immediate Past President, the most
364. recently retired President available shall assume the duties, but not
365. the office, for the remainder of the term. In the case of a vacancy in
366. the office of Treasurer, the Executive Committee shall nominate and
367. the Board of Directors shall approve a Treasurer to serve until the
368. next Assembly of Delegates, at which time a successor shall be
369. elected for the unexpired balance of the term of office.
370. (ii) **President and President-elect. Both Vacant.** If the offices of
371. both President and President-elect are simultaneously vacant, the
372. Immediate Past President, or the Executive Director or Treasurer,
373. shall convene the Board of Directors, which shall have the authority
374. to fill the office of President and to appoint an individual to assume
375. the duties, but not the office, of President-elect until the next
376. Assembly of Delegates, at which time both a President and a
377. President-elect shall be elected. Those individuals elected shall
378. immediately assume office completing the unexpired terms of their

379. predecessors prior to serving the terms for which they were elected.

380. **Section 4. Board of Directors. A. Membership.** The Board of
381. Directors shall consist of the President, the President-elect, the
382. Immediate Past President, the Treasurer, the Executive Director
383. (without vote), a Director elected for each geographic region by the
384. chapters in the region, a Director elected for each constituency group
385. by the chapters in the group, and a Director elected by the
386. membership-at-large. No Director may occupy more than one seat
387. on the Board of Directors.

388. B. Election of Directors, Associate Directors, and members of
389. the Committee on Nominations for Geographic Regions and for
390. **Constituencies. (i) Nomination and Voting.** At the Annual
391. Meeting, Biennial Meeting or at a convening of the Assembly of Delegates
392. at the discretion of the Board of Directors
393. one year prior to electing a Director, Associate Director, or
394. member of the Committee on Nominations for a particular region or
395. constituency, the caucus of each geographic region or constituency
396. shall appoint a Nominating Committee. The Director shall be an ex
397. officio member of the Nominating Committee. The Nominating
398. Committee shall report to the chapters of its region or constituency,
399. through the Executive Director, at least 60 days prior to the
400. convening of the caucus, a slate of nominees from the region or
401. constituency for each position up for election, together with the
402. normal biographical data, information on the nominee's past service
403. to the Society and the assurance that the nominee will serve if
404. elected. Voting shall be by ballot, which may be electronic, and each
405. active full and associate member in the appropriate region and
406. constituency shall have one vote. The vote shall be completed within
407. one month of the caucus.

408. The nominee receiving the largest number of votes shall be declared
409. elected, except that if two, or more, nominees are tied for the largest
410. number of votes, they shall enter a run-off election. A Director shall
411. be limited to two full successive terms of office, but may be
412. nominated again for a term commencing at least three years after
413. termination of the previous term. The Associate Director shall assist
414. the Director and, at the request of the Director, may attend in a non-
415. voting capacity a meeting of the Board of Directors in place of the
416. Director. The rotation of elections shall be set by the Board of
417. Directors, in compliance with Bylaw III.

418. (ii) **Vacancies.** In the event of a vacancy in the office of Director,
419. that vacancy shall be filled by the Associate Director. If there is no
420. Associate Director, the Executive Committee shall nominate and the

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421. Board of Directors shall approve a Director to serve until the next
422. Annual Meeting, Biennial Meeting or a convening of the
423. Assembly of Delegates at the discretion of the Board of Directors,
424. at which time a special election shall be held by the
425. affected geographic region or constituency to fill the unexpired term,
426. following the regular procedures. If a Director of a region or a
427. constituency becomes a member of a different region or
428. constituency, the Director may, with the concurrence of the chapters
429. in the original region or constituency, continue to serve as a Director
430. until the expiration of the Director's term. Concurrence of the region
431. or constituency will be determined by ballot, which may be
432. electronic. A quorum will be considered as 50% plus one of the
433. chapters in that region or constituency. A 50% plus one or more
434. approval will be required.

435. (iii) **Notification.** The name of the newly elected Director (if any),
436. the members of the Committee on Nominations (if any), and the
437. members of the Geographic Region or Constituency Nominating
438. Committees shall be reported to the Executive Director by the
439. presiding officer of each caucus.

440. (iv) **Duties.** The Director for a geographic region or constituency, in
441. addition to the duties stated in the Constitution and in other sections
442. of the Bylaws, shall work with, give advice to, and contribute to the
443. health of chapters within the region or the constituency.

444. **D. Quorum of the Board of Directors.** Eleven of the Directors
445. (including designated Associate Directors) and Officers with vote
446. shall constitute a quorum of the Board of Directors.

447. E. Terms of Regional and Constituency Group Elected

448. **Positions.** From time to time unanticipated events may require the
449. alteration of the normal three year terms of office for Directors,
450. Associate Directors, and members of the Committee on
451. Nominations. The Board of Directors will make such adjustments
452. to terms prior to the election for the affected term and announce
453. such changes along with the announcement of the nominees as
454. described in Bylaw III 4 B.

455. **Section 5. The Executive Committee.** A. Membership. (i) the
456. Executive Committee shall consist of the President, Past-President,
457. President-Elect, Treasurer, and two Directors selected as described in

458. (i). **The Executive Director** shall also be a member, without vote.

459. (ii) **Selection of Members.** The Board of Directors shall, at a
460. meeting held prior to 1 July of each year, designate in even-
461. numbered years a Director elected by a constituency group and in
462. odd-numbered years a Director elected by a geographic region to

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463. serve on the Executive Committee for the ensuing two years. In
464. selecting the Director to serve, consideration shall be given to the
465. availability of the individual to serve for two years and to attend
466. meetings.

467. (iii) **Selection of Alternates.** If, in connection with the call of a
468. meeting of the Executive Committee, it shall be determined that an
469. officer or designated member will be unable to attend the meeting, it
470. shall be the option of that individual to select, from among the other
471. members of the Board of Directors, an alternate to attend in a non-
472. voting capacity in the member's place.

473. **B. Duties and Limitations.** The Executive Committee of the
474. Board of Directors shall have the following specific duties, subject,
475. however, to the conditions, limitations and requirements set forth
476. below.

477. (i) **Responsibilities.** The Executive Committee shall have the
478. responsibility to act for the Board of Directors between meetings
479. with respect to matters not excluded in subsection (iv) below: (a)
480. when action is required and the exigencies of the situation will not
481. permit a delay until the next meeting of the Board of Directors or
482. until a ballot can be taken; or (b) when the degree of confidentiality
483. is so great as to require consideration by a smaller group; or (c)
484. when the Executive Director requires an advise-and-consent service. The
485. Executive Committee shall also have the responsibility to assist the
486. Board of Directors by (a) giving preliminary consideration to matters
487. where an appropriate committee does not exist or when time does not
488. allow referral to the appropriate committee, (b) meeting shortly
489. before each meeting of the Board of Directors to aid in assisting the
490. Board of Directors in achieving informed decisions in a short period
491. of time, and (c) taking action on specific matters as requested by the
492. Board of Directors.

493. (ii) **Limitations.** The Executive Committee shall not have the
494. power to: (a) elect or remove officers, except to recommend removal
495. of the Executive Director; (b) act in contravention of policies
496. established by the Board of Directors; (c) authorize the sale or other
497. disposition of all or any substantial portion of the assets of the
498. Society; (d) act for the Board of Directors in granting and revoking
499. charters for chapters or (e) create and authorize new policy.

500. (iii) **Record of Actions.** A record shall be kept of the formal actions
501. of the Executive Committee, and a report thereon shall be made to
502. the next meeting of the Board of Directors.

503. (iv) **Quorum.** Five members shall constitute a quorum of the
504. Executive Committee.

505. **Section 6. Committees of the Society.** Unless otherwise specified
506. in the Bylaws or in a resolution of the Board of Directors, the
507. membership of Committees of the Society will be by appointment by
508. the President, with the advice and consent of the President-elect,
509. upon recommendation of the Committee Chair. The President and
510. the President-elect shall be members, ex officio, and with the vote, of
511. all committees except the Committees on Audit Review and
512. Nominations. A Chair of a committee other than the Committee on
513. Nominations, may also invite other individuals, as resource persons
514. without vote, if in consultation with the Executive Director such
515. participation is deemed necessary for the discharge of the
516. Committee's mandate. A. Committee on Finances. (a) Membership of the Committee.
517. The Committee on Finances shall consist of the Treasurer as Chair,
518. together with the President, the President-elect and the Executive
519. Director, ex officio, and six members, three of whom shall not be
520. Directors, nominated by the Treasurer and approved by the Board of
521. Directors for three-year staggered terms. An elected member of the
522. Committee shall be limited to two full successive terms but may be
523. nominated again for a term commencing at least three years after
524. termination of the previous term. (b) Duties. It shall be the duty of
525. this Committee to advise the Board of Directors of the Society and of
526. the Corporation regarding the raising and acquisition of capital
527. funds; the investment of its endowments, funds and reserves; and the
528. annual budgets for research, operations and capital equipment,
529. including the physical plant, debits/net assets, and
530. expenditure/income patterns. It shall review and modify the
531. Executive Director's annual budget for the consideration of the
532. Board of Directors, and a copy of the annual budget will be furnished
533. to each chapter at least 60 days prior to the Assembly of Delegates.
534. **B. Committee on Audit Review.** The Committee on Audit
535. Review shall consist of three members appointed by the Board of
536. Directors of the Corporation at the Annual Meeting of the Board of Directors of the
537. Corporation to serve between Annual or Biennial Assemblies of Delegates for
538. three-year or four-year staggered terms. Current officers or Directors are not
539. eligible to serve on the Committee on Audit Review. The senior
540. member shall serve as Chair. It shall be the duty of this committee
541. to: (a) discuss with the auditors the scope and results of their
542. examinations, (b) establish and maintain an open line of
543. communication between the Board of Directors and the auditors, (c)
544. assure itself that the accounting procedures and financial controls of
545. the Society and of the Corporation adequately safeguard the assets of
546. the Society and of the Corporation and ensure the reliability of its

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547. financial records and (d) ascertain that the official auditors do
548. contribute to Sigma Xi any and all of the affirmative comments and
549. suggestions which can be helpful in improving the overall operations
550. of the Society.

551. **C. Committee on Nominations.** (a) The Committee on
552. Nominations shall consist of one member elected by each geographic
553. region, one member elected by each constituency group, one member
554. elected by the membership-at-large, and the three most recently
555. retired and available presidents of the Society. The Chair shall be
556. selected by the Committee from among its membership, but shall
557. not be drawn from the retired presidents. No Director may serve on the
558. Committee. The elected members of the Committee shall be elected
559. to three-year rotating terms. An elected member of the Committee
560. shall be limited to one three year term but may be nominated again
561. for a term commencing at least three years after termination of the
562. previous term. It shall be the duty of this Committee to present
563. nominations to the Assembly of Delegates the officers to be for
564. elected as required by Bylaw III, Section 3 B (i), which nominations
565. may not include individuals currently serving on the Committee. All
566. nominations by this Committee shall reach Executive Director in the
567. sufficient time to be included in the call of the Assembly of
568. Delegates as required in Article III, Section 2 B of the Constitution.
569. Procedures of this Committee shall conform to those established by
570. the Executive Committee, and copies thereof shall be furnished to
571. each member of the Committee immediately after election or
572. designation. The term of this Committee shall commence upon the
573. adjournment of the Assembly of Delegates and terminate upon the
574. adjournment of the succeeding Assembly of Delegates.

575. **D. Other Committees of the Society.** Committees for the
576. operations and activities of the Society may be established and
577. disestablished by the Board of Directors from time to time. The
578. Board of Directors shall define the duties and responsibilities of a
579. committee, the number of members to serve on the committee, and
580. the duration of the committee.

581. **E. Terms of Chairs and Members of Committees.** Terms of
582. chairs and members of all committees of the Society, unless provided
583. for in a specific Bylaw or Board Resolution, shall be for three-year
584. periods.

585. **F. Reports of Committees.** Reports and recommendations of
586. committees made to the Board of Directors of the Society shall also
587. be considered made to the Board of Directors of the Corporation
588. whenever and wherever deemed necessary.

589. **Section 7. Meetings. A. Notice.** Notice shall be interpreted to be:

590. (a) 15 days for meetings of the Board of Directors, and (b) five days
591. for meetings of the Executive Committee and any committee of the
592. Society.

593. **B. Manner of Giving Notice.** Notice shall be given by mail,
594. telephone, telegraph, electronically or personally. Meetings may be
595. held by any means, including electronic means, which allows for
596. discussion necessary to carry out business as is permitted by law.
597. Notice may be waived either before or after a meeting by any person
598. entitled thereto.

599. **Section 8. Meetings of Substantial Importance or Emergency.**

600. Meetings of the Sigma Xi Board of Directors may be held by
601. telephone conference or other appropriate means, as is permitted by
602. law, with such notice as the officer calling the meeting deems
603. appropriate. An electronic poll is acceptable to request Board
604. approval regarding urgent issues requiring a timely response or
605. action.

606. **Section 9. The Executive Director.** The Executive Director shall
607. be the custodian of the Seal of the Society and of the Archives of the
608. Society, and shall plan and direct the affairs of the Society in
609. accordance with the input of the Executive Committee subject to the
610. consent and policies established by the Board of Directors. Unless
611. the Board of Directors shall make other arrangements, the Executive
612. Director shall serve as the publisher of the publications of the
613. Society.

614. **Section 10.** (reserved)

615. **BYLAW IV. Dues and Expenses of the Society**

616. **Section 1. Dues and Fees. A. Annual Dues. (i) How Set.** Dues
617. for the active membership, and all associated fees, shall be recommended
618. annually by the Committee on Finance and approved by the Board.

619. **B. Local Chapter Dues.** Local chapter dues, if assessed, shall be
620. set in an amount and by procedures provided for in the bylaws of the
621. chapter. The chapter shall have the option of collecting them directly
622. or requesting the Treasurer of the Society to collect them.

623. **Section 2. Expenses. A. Proper Expenses.** The proper expenses
624. of the Society shall include, but are not limited to, the following:
625. operations of the Headquarters of the Society; publication of
626. American Scientist; the Lectureships Program; Grants-in-Aid of
627. Research; authorized travel expenses of the staff, officers, members
628. of the Board of Directors and members of committees in accordance
629. with regulations approved by the Board of Directors; subvention of
630. travel for delegates attending an Assembly of Delegates in

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631. accordance with regulations approved by the Assembly of Delegates
632. and local support allocations.
633. **B. Local Support.** The sum allocated from annual dues by the Board
634. of Directors for local support of the chapters shall be forwarded by the
635. Executive Director to the treasurers of the chapters, except that local
636. support shall be withheld from any chapter not currently in good standing
637. as defined in Bylaw III, Section 1 B.

638. BYLAW V. Seal and Insignia of the Society

639. **Section 1. The Seal of the Society.** The Seal of the Society shall
640. show a wreath of laurel, typifying the honorary character of
641. membership in the Society, arranged as an oval and enclosing the
642. words "Sigma Xi, The Scientific Research Honor Society" at the top, and
643. the motto, in Greek, at the bottom. These words shall form an inner
644. oval, concentric with the first, punctuated with ten stars, and
645. enclosing a field illuminated by a Grecian lamp to represent the
646. Lamp of Research. Above the lamp, in the field of illumination,
647. shall be placed the monogram of the Society and the date, 1886,
648. when it was founded.

649. **Section 2. Official Insignia.** The official insignia shall be:

650. **(A) The Key.** A gold watch-chain pendant, charm or pin consisting
651. of a four-piece monogram style of insignia in the shape of a key
652. described as follows: the base is a large, brightly polished Greek
653. letter (Xi) scrolled out to shape and superimposed thereon a Greek
654. Letter S (Sigma). Affixed to the top of the base letter is a decorative
655. post and ring, and at the base, a standard decorative key end. On the
656. reverse side of the key may be engraved the name of the chapter in
657. which the Member or Associate Member was initiated together with
658. the date of initiation and initiate's name.

659. **B. The Ring.** A gold insignia ring bearing the monogram of the
660. Society together with a wreath of laurel, appropriately mounted.

661. **Section 3. Procurement.** The various insignia shall be obtained
662. only through the Office of the Executive Director, who shall arrange
663. to have authorized orders filled by an official jeweler, the latter
664. appointed by the Executive Director with the approval of the Board
665. of Directors.

666. **Section 4. Colors.** The colors of the Society shall be electric blue
667. and white.

668. **Section 5. Stationery.** The official stationery of the Society shall
669. bear the monogram described in Article V of the Constitution.

670. BYLAW VI. Sigma Xi Affiliate Circle

671. **Section 1. Criteria for Affiliation.** Individuals eligible to join the Sigma Xi Affiliate
672. Circle as set forth in Article VIII of the Constitution, may include science

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673. enthusiasts who have a passion for the advancement of research, college
674. students pursuing studies in a science or engineering field, teachers who
675. educate and encourage future researchers, technicians who educate and
676. encourage future researchers and practicing clinicians who
677. translate research results into improved health.
678. **Section 2. Annual Dues.** Dues for Sigma Xi Affiliates shall be recommended
679. annually by the Committee on Finance and approved by the Board of
680. Directors of Sigma Xi.
681. **Section 3. Certificate of Affiliation.** Upon admission to the Sigma Xi
682. Circle, each new Affiliate shall receive a certificate of affiliation which
683. shall be in a form approved by the Assembly of Delegates, bear the
684. Seal of the Society and be signed by the President of the Society
685. and the Executive Director.
686. **BYLAW VII. Sigma Xi Explorer.**
687. **Section 1. Criteria for Sigma Xi Explorer.** As set forth in Article IX of the Constitution, any
688. individual in Kindergarten through Twelfth grade who has presented a science project
689. at a science fair, together with a letter of recommendation from a science or Science,
690. Technology, Engineering and Mathematics (STEM) teacher, is eligible for election to be
691. a Sigma Xi Explorer in the Society.
692. **Section 2. Annual Dues.** Dues for Sigma Xi Explorer shall be recommended annually by
693. the Committee on Finances and approved by the Board of Directors of Sigma Xi.
694. **Section 3.** Sigma Xi Explorer shall have the option to form a Sigma Xi Club mentored by a
695. member or an associate member affiliated with a sponsoring chapter, or two members or
696. associate members from the Membership-at-Large Constituency if there is not a sponsoring
697. chapter. Sigma Xi Clubs may be in person or virtual/networked.