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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. Associate
48. membership is offered to encourage young investigators with
49. promise to continue careers in research. In making the nomination
50. for such membership, both the nominator and the seconder attest to
51. the nominee's potential for future promotion to Member.
52. **Section 3. Nomination and Election and Initiation Procedures.**
53. **A. Responsibility.** The Committee designated by the Board will
54. have responsibility to set policy regarding nomination, election, and
55. initiation procedures. Changes in policy will be communicated to
56. the chapters for a comment period of not less than 30 days. After the
57. comment period the changes may be revised for a new comment
58. period. Should fifteen (15) or more chapters object to a policy
59. change in writing and objections cannot be resolved in a new
60. comment period, the policy change will be held in abeyance until
61. the next Assembly of Delegates where it will be presented for vote.
62. Otherwise the policy change will be implemented upon the close of
63. the comment period.
64. **B. Honorary Members.** Honorary Members shall be initiated into
65. the Society by the President, or by a person designated by the
66. President, at a suitable ceremony.
67. **C. Pledge of the Society.** Members-elect and Associate Members-
68. elect shall be informed of the aims and objectives of the Society, and
69. shall be required to assent, either orally or in writing to the president
70. of the electing chapter or the president's deputy, or in writing to the
71. Chair of the committee designated by the Board, to the following
72. Pledge: "Do you hereby pledge yourself, in accordance with the
73. purposes and objectives of Sigma Xi, The Scientific Research Honor
74. Society, to encourage original investigations in science, to foster
75. companionship and cooperation among scientists, to maintain honor,
76. integrity and honesty in all scientific activities, and to assume the
77. other continuing responsibilities of membership?" Members-elect
78. and Associate Members-elect who attend a regular initiation are
79. expected to have read the culture, mission and vision statements of
80. the Society, whereupon they are admitted to membership in the
81. Society.
82. **D. Certificate of Membership. (i) Members and Associate**
83. **Members.** Upon admission to membership, each new Member or
84. Associate Member shall receive a certificate of membership which

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85. shall be in a form approved by the Assembly of Delegates, bear the
86. Seal of the Society, and be signed by the President of the Society, the
87. Executive Director, and the president and secretary of the electing
88. chapter or the Chair of the committee designated by the Board. Each
89. new Member or Associate Member shall also receive the official
90. emblem, or the authorization to secure such emblem.
91. (ii) **Honorary Members.** Honorary Members shall receive a
92. suitable certificate of membership approved by the Board of
93. Directors, bearing the Seal of the Society, and signed by the
94. President and the Executive Director.
95. **Section 7. Changes in Membership Status.** A. Active to Inactive
96. Active members who fail to comply with the provisions of Article
97. IV, Section 1 of the Constitution shall be transferred to inactive
98. membership, and shall be recorded as such in the Headquarters of the
99. Society.
100. **B. Inactive to Active.** An inactive member may, at any time and at
101. the member's discretion, be returned to active membership by
102. complying with the provisions of Article IV, Section 1 of the
103. Constitution, and by indicating to the Headquarters of the Society the
104. chapter, or the membership-at-large, with which the member wishes
105. to be affiliated. Such change shall be recorded appropriately in the
106. Headquarters of the Society.
107. **C. Emeritus Status.** Once
108. Initiated into the Society and upon reaching the
109. age of 65 having been initiated at least 30 years ago a member,
110. full or associate, may upon retirement request emeritus status.
111. This status permits continued
112. active association with the Society as provided for in Bylaw IV,
113. Section 1 A (iii).
114. **D. Policy on removal of Directors, Officers, or members.**
115. Directors, Officers, or members can be dismissed for cause in
116. accordance with policy set by the Board of Directors. Changes in
117. policy will be communicated to the chapters for a comment period of
118. not less than 30 days. After the comment period the changes may be
119. revised for a new comment period. Should fifteen (15) or more
120. chapters object to a policy change in writing and objections cannot
121. be resolved in a new comment period, the policy change will be held
122. in abeyance until the next Assembly of Delegates where it will be
123. presented for vote. Otherwise the policy change will be
124. implemented upon the close of the comment period.
125. **BYLAW III. Organization of the Society**
126. **Section 1. Chapters. A. Chapters. (i) Location and**

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127. **Requirements for a Chapter.** A chapter may be established by
128. action of the Board of Directors, advised by a committee designated
129. by the Board , at any location where scientific research is cultivated
130. and promoted. Of considerable importance are evidences of official
131. commitments to the development and support of research by the
132. institution in the immediate and long-range future.
133. Ordinarily locations approved for chapter status will be single
134. educational, governmental, or industrial institutions whose
135. permanency is reasonably assured. In some instances chapters may
136. be approved at locations whose research strength and potential is
137. dependent upon the combined research organizations of two or more
138. institutions so situated physically that they can participate together as
139. companions in zealous research.
140. Before any petitioning group can be recommended for chapter status,
141. a committee designated by the Board shall ascertain by inquiry,
142. study, and visits, where appropriate, if the conditions at the
143. institution(s) involved are conducive to further scientific research.
144. (ii) **The Petition.** A petition for the granting of a charter for the
145. establishment of a chapter shall be communicated to the Executive
146. Director, who, in turn, shall refer it to the committee designated by
147. the Board to determine the suitability of the petition. At least 10
148. active full or associate members, must agree in the petition to become members of the chapter.
If the
149. committee , by at least a three-fourths majority vote, recommends
150. approval of the Board of Directors, and it, in turn, approves by a like
151. vote, the Executive Director shall initiate the process of installation
152. of a new chapter.
153. (iii) **Chapter Charter.** Each charter for the establishment of a new
154. chapter shall be signed by the President and the Executive Director,
155. and shall be presented by the installing officer to the petitioning
156. group at a special installation ceremony arranged by the petitioning
157. group in consultation with the Executive Director. The form of the
158. charter is set forth in Bylaw III, Section 1 D (i) and (ii) , below.
159. (iv) **Affiliation with a Chapter.** A Member or Associate Member,
160. upon presenting satisfactory credentials showing election to
161. membership in the Society, and complying with the provisions of
162. Article IV, Section 1 of the Constitution, is entitled to appropriate
163. membership in any chapter depending upon such relationship to the
164. institution(s) hosting the chapter as said institution(s) may require.
165. (v) **Revocation of a Chapter Charter.** Any chapter not in good
166. standing (Bylaw III, 1C) will be placed on probation for a one year
167. period by the committee designated by the Board to oversee chapter

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168. activities. If after one year on probation, a chapter has not returned
169. to good standing, the committee may initiate the necessary action for
170. revocation of the chapter's charter as indicated below. The charter of
171. a chapter may be revoked by the Board of Directors, by a three-
172. fourths majority vote of those present at a meeting of the Board,
173. provided the Board action was taken in response to a three-fourths
174. majority vote of the members of the committee present at a meeting
175. following a thorough investigation of the chapter concerned and the
176. taking of all possible remedial steps to preclude the necessity for
177. such action by the committee.

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

189. C. (reserved)

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

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

194. "Be it hereby known that a charter for the establishment of a chapter
195. of Sigma Xi, The Scientific Research Honor Society atto be known as
196. theChapter, is hereby granted to the following persons as
197. Charter Members and Charter Associate Members, conveying to
198. them and to their duly elected successors all the privileges and
199. responsibilities conferred by the Constitution of the Society; (list of
200. names)"

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

203. "In witness whereof, the signatures of the President and the
204. Executive Director, together with the Seal of the Society, are
205. hereunto affixed on theday ofin the year....."

206. **E. Geographic Regions.** Chapters located in North America are
207. assigned to the geographic region in which they are located.
208. Chapters located outside North America shall be assigned to a
209. geographic region by the Board of Directors after consultation with

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210. the chapter. A chapter having special ties to a chapter in another
211. region may ask to be reassigned, and the Board of Directors shall act
212. on such requests. Once each decade the Board of Directors shall
213. evaluate the distribution of members and chapters within the
214. geographic regions and make appropriate changes to geographic
215. boundaries.

216. **F. Constituency Groups.** Chapters located in the United States and
217. its territories are assigned by the Board of Directors to one of four
218. constituency groups of chapters from similar institutions. Chapters
219. located outside of the United States and its territories are assigned to
220. the Canadian/International constituency group. A chapter may ask to
221. be reassigned to a different constituency group, and the Board of
222. Directors shall act on such requests.

223. Section 2. The Assembly of Delegates. A. Duties of the

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

234. **B. Caucuses.** In addition to the General Sessions of the Assembly
235. of Delegates attended by all delegates, the Annual Meeting
236. or Biennial Meeting or a convening of the Assembly of Delegates at the
237. discretion of the Board of Directors shall provide time for caucuses of
238. each geographic region and
239. constituency group at which time the delegates may meet and
240. conduct such discussions and business, including the election of a
241. Director, a member of the Committee on Nominations, and members
242. of the region or group nominating committees, as may be required.
243. The appropriate Director shall preside over each caucus. Directors
244. prepare agendas of matters to be discussed, which shall include
245. matters of interest to science and to the Society as a whole, as well as
246. matters specific to the interest of the geographic region or
247. constituency group. The Director may act as spokesperson for the
248. geographic region or constituency group at General Sessions of the
249. Assembly of Delegates. In years when the Assembly is not held in
250. person, caucuses may be held by any means that provide for
251. discussion as needed to complete the business of the caucus.

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252. C. (reserved)

253. D. (reserved)

254. E. (reserved)

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

256. (i) **Order of Business.** The Preliminary Agenda of the General
257. Session of an Assembly of Delegates shall set forth the order of
258. business proposed by the President. The Preliminary Agenda may be
259. amended at the opening of the First Session of said Assembly, and
260. shall be adopted by a majority vote of the Assembly of Delegates.

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

264. (iii) **Rules of Order.** Meetings of the Assembly of Delegates shall
265. be conducted in accordance with the current edition of Robert's
266. Rules of Order Newly Revised, except when in conflict with the
267. Constitution or Bylaws, in which case the Constitution or Bylaws
268. shall prevail. The President shall serve as the presiding officer of the
269. Assembly, and the Executive Director as its secretary. The presiding
270. officer may limit debate for the purpose of maintaining the time
271. schedule of the Assembly.

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

292. (v) **Policy on Resolutions.** The Committee designated by the Board
293. will have responsibility to set policy regarding the handling of

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294. resolutions as submitted by chapters. Changes in policy will be
295. communicated to the chapters for a comment period of not less than
296. 30 days. After the comment period the changes may be revised for
297. a new comment period. Should fifteen (15) or more chapters object to
298. a policy change in writing and objections cannot be resolved in a
299. new comment period, the policy change will be held in abeyance
300. until the next Assembly of Delegates where it will be presented for
301. vote. Otherwise the policy change will be implemented upon the
302. close of the comment period.

303. **Section 3. Officers of the Society.** A. Officers The officers of the
304. Society consist of the President, Past-President, President-Elect, and
305. the Treasurer. The Executive Director serving as Executive
306. Secretary is also an Officer of the Society but without vote.

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

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336. (ii) **Additional Nominations.** Additional nominations for
337. President-elect and for Treasurer may be made provided each
338. nominee is supported by at least three chapters and further provided
339. that the chapters have been furnished by the proposers through the
340. Executive Director at least 21 days prior to the convening of the
341. Assembly of Delegates with the name of the nominee and the
342. additional information required in (i) above.

343. **C. Voting.** Voting for officers shall be by ballot, which may be electronic.
344. Each active full and associate member shall have one vote. The vote
345. shall be completed within one month of the Assembly of Delegates.

346. **D. Vacancies. (i) In One Office.** In the case of a vacancy in the
347. office of President, the President-elect shall assume the office and
348. the duties of the President they succeed and also serve the full
349. presidential term of one year for which they were elected. In the case
350. of a vacancy in the office of President-elect, the most recently retired
351. president shall assume the duties, but not the office, until the next
352. Assembly of Delegates, at which time both a President and a
353. President-elect shall be elected. The newly elected President shall,
354. in the interim between election by the Assembly of Delegates and the
355. beginning of the elected term, serve as the President-elect. In the
356. case of a vacancy in the office of Immediate Past President, the most
357. recently retired President available shall assume the duties, but not
358. the office, for the remainder of the term. In the case of a vacancy in
359. the office of Treasurer, the Executive Committee shall nominate and
360. the Board of Directors shall approve a Treasurer to serve until the
361. next Assembly of Delegates, at which time a successor shall be
362. elected for the unexpired balance of the term of office.

363. (ii) **President and President-elect. Both Vacant.** If the offices of
364. both President and President-elect are simultaneously vacant, the
365. Immediate Past President, or the Executive Director or Treasurer,
366. shall convene the Board of Directors, which shall have the authority
367. to fill the office of President and to appoint an individual to assume
368. the duties, but not the office, of President-elect until the next
369. Assembly of Delegates, at which time both a President and a
370. President-elect shall be elected. Those individuals elected shall
371. immediately assume office completing the unexpired terms of their
372. predecessors prior to serving the terms for which they were elected.

373. **Section 4. Board of Directors. A. Membership.** The Board of
374. Directors shall consist of the President, the President-elect, the
375. Immediate Past President, the Treasurer, the Executive Director
376. (without vote), a Director elected for each geographic region by the
377. chapters in the region, a Director elected for each constituency group

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378. by the chapters in the group, and a Director elected by the
379. membership-at-large. No Director may occupy more than one seat
380. on the Board of Directors.

381. B. Election of Directors, Associate Directors, and members of

382. the Committee on Nominations for Geographic Regions and for

383. **Constituencies. (i) Nomination and Voting.** At the Annual

384. Meeting, Biennial Meeting or at a convening of the Assembly of Delegates
385. at the discretion of the Board of Directors

386. one year prior to electing a Director, Associate Director, or
387. member of the Committee on Nominations for a particular region or
388. constituency, the caucus of each geographic region or constituency
389. shall appoint a Nominating Committee. The Director shall be an ex
390. officio member of the Nominating Committee. The Nominating
391. Committee shall report to the chapters of its region or constituency,
392. through the Executive Director, at least 60 days prior to the
393. convening of the caucus , a slate of nominees from the region or
394. constituency for each position up for election, together with the
395. normal biographical data, information on the nominee's past service
396. to the Society and the assurance that the nominee will serve if
397. elected. Voting shall be by ballot, which may be electronic, and each
398. active full and associate member in the appropriate region and
399. constituency shall have one vote. The vote shall be completed within
400. one month of the caucus.

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

411. (ii) **Vacancies.** In the event of a vacancy in the office of Director,
412. that vacancy shall be filled by the Associate Director. If there is no
413. Associate Director, the Executive Committee shall nominate and the
414. Board of Directors shall approve a Director to serve until the next
415. Annual Meeting, Biennial Meeting or a convening of the
416. Assembly of Delegates at the discretion of the Board of Directors,
417. at which time a special election shall be held by the
418. affected geographic region or constituency to fill the unexpired term,
419. following the regular procedures. If a Director of a region or a

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420. constituency becomes a member of a different region or
421. constituency, the Director may, with the concurrence of the chapters
422. in the original region or constituency, continue to serve as a Director
423. until the expiration of the Director's term. Concurrence of the region
424. or constituency will be determined by ballot, which may be
425. electronic. A quorum will be considered as 50% plus one of the
426. chapters in that region or constituency. A 50% plus one or more
427. approval will be required.

428. (iii) **Notification.** The name of the newly elected Director (if any),
429. the members of the Committee on Nominations (if any), and the
430. members of the Geographic Region or Constituency Nominating
431. Committees shall be reported to the Executive Director by the
432. presiding officer of each caucus.

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

437. **D. Quorum of the Board of Directors.** Eleven of the Directors
438. (including designated Associate Directors) and Officers with vote
439. shall constitute a quorum of the Board of a Directors.

440. E. Terms of Regional and Constituency Group Elected

441. **Positions.** From time to time unanticipated events may require the
442. alteration of the normal three year terms of office for Directors,
443. Associate Directors, and members of the Committee on
444. Nominations. The Board of Directors will make such adjustments
445. to terms prior to the election for the affected term and announce
446. such changes along with the announcement of the nominees as
447. described in Bylaw III 4 B.

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

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

452. (ii) **Selection of Members.** The Board of Directors shall, at a
453. meeting held prior to 1 July of each year, designate in even-
454. numbered years a Director elected by a constituency group and in
455. odd-numbered years a Director elected by a geographic region to
456. serve on the Executive Committee for the ensuing two years. In
457. selecting the Director to serve, consideration shall be given to the
458. availability of the individual to serve for two years and to attend
459. meetings.

460. (iii) **Selection of Alternates.** If, in connection with the call of a
461. meeting of the Executive Committee, it shall be determined that an

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462. officer or designated member will be unable to attend the meeting, it
463. shall be the option of that individual to select, from among the other
464. members of the Board of Directors, an alternate to attend in a non-
465. voting capacity in the member's place.

466. **B. Duties and Limitations.** The Executive Committee of the
467. Board of Directors shall have the following specific duties, subject,
468. however, to the conditions, limitations and requirements set forth
469. below.

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

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

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

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

498. **Section 6. Committees of the Society.** Unless otherwise specified
499. in the Bylaws or in a resolution of the Board of Directors, the
500. membership of Committees of the Society will be by appointment by
501. the President, with the advice and consent of the President-elect,
502. upon recommendation of the Committee Chair. The President and
503. the President-elect shall be members, ex officio, and with the vote, of

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

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

568. **D. Other Committees of the Society.** Committees for the
569. operations and activities of the Society may be established and
570. disestablished by the Board of Directors from time to time. The
571. Board of Directors shall define the duties and responsibilities of a
572. committee, the number of members to serve on the committee, and
573. the duration of the committee.

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

578. **F. Reports of Committees.** Reports and recommendations of
579. committees made to the Board of Directors of the Society shall also
580. be considered made to the Board of Directors of the Corporation
581. whenever and wherever deemed necessary.

582. **Section 7. Meetings. A. Notice.** Notice shall be interpreted to be:
583. (a) 15 days for meetings of the Board of Directors, and (b) five days
584. for meetings of the Executive Committee and any committee of the
585. Society.

586. **B. Manner of Giving Notice.** Notice shall be given by mail,
587. telephone, telegraph, electronically or personally. Meetings may be

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588. held by any means, including electronic means, which allows for
589. discussion necessary to carry out business as is permitted by law.
590. Notice may be waived either before or after a meeting by any person
591. entitled thereto.

592. Section 8. Meetings of Substantial Importance or Emergency.

593. Meetings of the Sigma Xi Board of Directors may be held by
594. telephone conference or other appropriate means, as is permitted by
595. law, with such notice as the officer calling the meeting deems
596. appropriate. An electronic poll is acceptable to request Board
597. approval regarding urgent issues requiring a timely response or
598. action.

599. **Section 9. The Executive Director.** The Executive Director shall
600. be the custodian of the Seal of the Society and of the Archives of the
601. Society, and shall plan and direct the affairs of the Society in
602. accordance with the input of the Executive Committee subject to the
603. consent and policies established by the Board of Directors. Unless
604. the Board of Directors shall make other arrangements, the Executive
605. Director shall serve as the publisher of the publications of the
606. Society.

607. **Section 10.** (reserved)

608. BYLAW IV. Dues and Expenses of the Society

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

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

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

626. **B. Local Support.** The sum allocated from annual dues by the Board
627. of Directors for local support of the chapters shall be forwarded by the
628. Executive Director to the treasurers of the chapters, except that local
629. support shall be withheld from any chapter not currently in good standing

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630. as defined in Bylaw III, Section 1 B.

631. BYLAW V. Seal and Insignia of the Society

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

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

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

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

654. **Section 3. Procurement.** The various insignia shall be obtained
655. only through the Office of the Executive Director, who shall arrange
656. to have authorized orders filled by an official jeweler, the latter
657. appointed by the Executive Director with the approval of the Board
658. of Directors.

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

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

663. BYLAW VI. Sigma Xi Affiliate Circle

664. **Section 1. Criteria for Affiliation.** Individuals eligible to join the Sigma Xi Affiliate
665. Circle as set forth in Article VIII of the Constitution, may include science
666. enthusiasts who have a passion for the advancement of research, college
667. students pursuing studies in a science or engineering field, teachers who
668. educate and encourage future researchers, technicians who educate and
669. encourage future researchers and practicing clinicians who
670. translate research results into improved health.

671. **Section 2. Annual Dues.** Dues for Sigma Xi Affiliates shall be recommended

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672. annually by the Committee on Finance and approved by the Board of
673. Directors of Sigma Xi.

674. **Section 3. Certificate of Affiliation.** Upon admission to the Sigma Xi
675. Circle, each new Affiliate shall receive a certificate of affiliation which
676. shall be in a form approved by the Assembly of Delegates, bear the
677. Seal of the Society and be signed by the President of the Society
678. and the Executive Director.

679. **BYLAW VII. Sigma Xi Explorer.**

680. **Section 1. Criteria for Sigma Xi Explorer.** As set forth in Article IX of the Constitution, any
681. individual in Kindergarten through Twelfth grade who has presented a science project
682. at a science fair, together with a letter of recommendation from a science or Science,
683. Technology, Engineering and Mathematics (STEM) teacher, is eligible for election to be
684. a Sigma Xi Explorer in the Society.

685. **Section 2. Annual Dues.** Dues for Sigma Xi Explorer shall be recommended annually by
686. the Committee on Finances and approved by the Board of Directors of Sigma Xi.

687. **Section 3.** Sigma Xi Explorer shall have the option to form a Sigma Xi Club led by a Sigma Xi full
688. or associate member of the local chapter. Sigma Xi Clubs may be in person or
689. virtual/networked.