

MINNESOTA SOCIETY OF RADIOLOGIC TECHNOLOGISTS
Scientific Essay Application

Applications must be received by the Awards Chairman prior to the May 15th application deadline to be eligible.

Name: _____
(Please include full professional title, i.e. RT(R)(M)(CV), etc.)

Address: _____

City, State, Zip Code: _____

E-mail Address: _____

Phone: (_____) _____

School or Employer: _____

School Director or Supervisor: _____

Phone: (_____) _____

Check all that apply:

___ MSRT Member ___ ASRT Member ___ Student ___ MARS Member

District Participation: ___ Northern ___ Central ___ Metro ___ Southern

Essay Information

Essay Title: _____

The MSRT will provide a video graphics projector, laptop computer, laser pointer and projection screen for your presentation. If using a PowerPoint® presentation, applicant must possess the skills to operate the program.

I have read and fully understand the latest rules and regulations governing the submission of a scientific essay.

Signature: _____ Date: _____

Applicant will receive an acknowledgement of their application from the Awards Chairman.

MSRT AWARDS OFFICE USE ONLY

Application Received: _____

Card Sent: _____

Memberships Verified: _____

MSRT SCIENTIFIC ESSAY RULES

Deadline Date: May 15th

Submit Application **AND** Manuscripts To: Awards Chairman

I. CATEGORIES

There shall be two (2) separate categories for essay competition: (A) Radiologic Technologists and (B) Student Technologists.

II. AWARDS

First, second and third place awards have been established for each category. Awards will be given for the best, qualifying essays submitted. The nature and the amount of the awards shall be determined by the MSRT Executive Board and the MSRT Awards Chairman.

III. ELIGIBILITY

- A. All members must be members of the Minnesota Society of Radiologic Technologists.
- B. MSRT membership must be paid by February 1 of the current year to be eligible for competition.
- C. Essay presenters must be registered at the Annual Meeting and hold membership in the Minnesota Society of Radiologic Technologists at the time of the meeting.
- D. Only one individual may author an essay for competition.
- E. All members are eligible to compete for awards with the following exceptions:
 1. President
 2. Awards Chairman
 3. Essay and/or Exhibit Judges
 4. Members employed by commercial firms engaged in the production and/or sale of x-ray products and equipment.

IV. MANUSCRIPTS

- A. Each author must submit four (4) manuscripts: **one (1) original** and **three (3) copies**. The author's name must not be listed on the **three (3) copies**. These unidentified manuscripts shall not contain any markers of identification such as reference to physicians, hospitals, companies, or other clues to the author's identity. The original shall bear the author's name, address, and evening phone number.
- B. The manuscript shall be on a subject pertaining to the Radiologic Sciences.
- C. Manuscripts **will not** be returned. The author should make a copy for him/her self.
- D. APA or MLA will be the only accepted manuscript format.
- E. All manuscripts must be original with the author who submits them. Borrowed material used within must be footnoted properly. **PLAGIARISM** will result in immediate disqualification.

V. ILLUSTRATIONS

- A. Illustrations must accompany the manuscript.
- B. Provide four complete sets of illustrations for judging purposes. Illustrations may include films, diagrams, photos, etc.
- C. When making glossy prints from x-ray films, it is essential to block out the name of the patient, institution or any other identification which may lead to the identification of the author.

- D. All illustrations must be marked with figure indications that correspond to the information contained in the body of the manuscript.

VI. JUDGING/PRESENTATION OF AWARDS

- A. Three (3) judges shall be selected by the President of the MSRT and will be solely responsible to the President. The judges shall be members in good standing with the Minnesota Society of Radiologic Technologists, of their home-state affiliate society if visiting from another state and the American Society of Radiologic Technologists.
- B. A representative from the Minnesota Radiological Society may serve as the fourth judge and will communicate with the President.
- C. Program staff of all Minnesota Schools of Radiologic Technology shall be ineligible to judge.
- D. Judging shall be based upon the Essay Judging Criteria provided to all who submit a manuscript.
- E. The manuscripts shall be sent by the Awards Chairman to each judge with the judging results returned by August 1st.
- F. The decision of the judges is final. The identity of the judges is confidential. All inquiries regarding judging should be directed to the MSRT President.
- G. Essay winners and all Program Directors of students with winning essays will be notified by August 15th. Those who have not submitted a winning essay will be notified. These deadlines are important to assure that proper time is allotted to make the necessary arrangements for essay presentation and to give proper recognition to winners in the Annual Meeting program.
- H. Upon notification, all winners should make arrangements with the Awards Chairman for presentation of the paper at the Annual Meeting. All illustrations must be presented in some acceptable form during the essay presentation. If circumstances prevent a winner from attending the meeting, an acceptable alternate should be chosen to present the paper.
- I. All awards will be presented at the Awards Ceremony. Essay winners should be present for the Awards Ceremony.
- J. Essay winners will have the option of having their papers published in the official publication of the MSRT, the High Tension News.
- K. A written evaluation based on the comments the judges have made will be sent to the applicants following the Annual Meeting.
- L. All papers submitted will be destroyed by the Awards Chairman immediately after the Annual Meeting.

MINNESOTA SOCIETY OF RADIOLOGIC TECHNOLOGISTS

Scientific Essay Judging Criteria

Essay Title: _____

Judging Criteria	Possible Points	Score
I. Content		
A. Originality	17	_____
1. New position, device, technique, principle, ideas or concepts		
2. Improvement of or new application of existing position, technique, device or principle.		
3. Originality must be supported by evidence of high quality research.		
4. Disease conditions; How imaging science plays a role in diagnosis and treatment.		
B. Organization	12	_____
1. Is the material presented in a logical sequence?		
C. Use of Sources	7	_____
1. Have adequate sources been used and properly documented by footnotes and bibliography?		
D. Educational Value	17	_____
1. Does the material presented add to the general knowledge of technologists?		
E. Technical Value	17	_____
1. Can technologists use the material presented to do a better job or will it enhance one's personal growth?		
Total Possible Content Points = 70	Score	_____
II. Mechanics		
A. Spelling, syntax, sentence construction	10	_____
B. Margins, spacing	2	_____
C. Footnote construction	4	_____
D. Bibliography construction	4	_____
E. Essay Format		
1. Title page	2	_____
2. Body	2	_____
3. Summary or conclusion	2	_____
4. Illustrations (if appropriate)	2	_____
5. Footnotes/Bibliography	2	_____
Total Possible Mechanics Points = 30	Score	_____
Total Essay Score		_____

An essay must earn a minimum of 75 points from each judge in order to qualify for an award.

Judging Comments: _____

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Scientific Essay Judging Guidelines Page 1

C O N T E N T	2	1	0	Score
Originality	Discusses a new concept or application of an existing concept	Discusses a relatively recent concept/application of an existing concept	Discusses an outdated or obsolete concept/application of an existing concept	
	Reflects the author's own interest and ideas throughout	Vaguely reflects the author's interest and ideas	Does not reflect the author's own interest and ideas	
Organization	3	2	0	
	Has an obvious main idea or thesis	Has a vague main idea or thesis	Ambiguous or missing a main idea/thesis	
	Topic is relevant to imaging	Topic is minimally relevant to imaging	Not relevant to imaging	
	Thesis stimulates reader's interest	Moderately stimulates interest	Uninspiring	
	Main points support the thesis throughout paper	Main points support the thesis through 70-80% of paper	Main points support the thesis throughout paper less than 60%	
	Main points are organized in a logical sequence	Main points are organized in a logical sequence through 80-90% of paper	Main points are not organized in a logical sequence	
	Clear transitions to help the audience move from one part of the paper to the next	Mostly clear transitions from one part of the paper to the next	Transitions from one part of the paper to the next are confusing	
	Refers to diagrams, tables, charts in body of paper/strong relevance to topic	Vaguely refers to diagrams, tables, charts /minimal relevance to topic	Doesn't refer to diagrams, tables, charts/not relevant or No diagrams, tables, charts	
	Conclude with a summary of findings and the author's opinion	Does not include both a summary of findings and the author's opinion	Poor conclusion/summary of findings and/or the author's opinion	
	Research/Use of Sources	Ideas supported by ample research	Ideas supported by basic research	Ideas supported by insufficient research
Resources used are authoritative, current, accurate, objective		Resources used are authoritative, dated, accurate, objective	Resources used are unreliable, dated, inaccurate, subjective	
Balance between the literature cited and the author's own ideas, conclusions		Relies on the literature cited and fair amount of author's own ideas, conclusions	Relies on the literature cited and little of the author's own ideas, conclusions	
In using the literature, the author shows mastery of the subject		Author shows moderate understanding of the subject	Author shows minimal/no understanding of the subject	
Citation of sources	Uses APA format throughout the paper	Uses APA format through 90% the paper	Fails to use APA consecutively	
	Reference list complete, including all sources referred to in the paper		Reference list is incomplete, all sources are not referred to in the paper	
	The number of references are adequate for the length of the paper		The number of references are inadequate for the length of the paper	
Educational or technical value	Information provides technical application to practitioners in the field and adds to their body of knowledge	Information provides moderate technical application to practitioners in the field or add to their body of knowledge	Information is not present technical applications to practitioners in the field and add to their body of knowledge	
	Information will improve the practitioners' professional ability	Information will moderately improve the practitioners' professional ability	Information will not improve the practitioners' professional ability	

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MECHANICS	3	2	0	Score	
General rules of writing	Free of spelling errors	1-5 spelling errors	Multiple spelling errors		
	Free of sentence errors	1-5 sentence errors	Multiple sentence errors		
	Sentence structure is varied and clear	Sentence structure is clear, lacks variation	Sentence structure is unclear		
	Uses technical terms accurately	Uses technical terms vaguely	Incorrect use of terms or fails to use them		
	2	1	0		
APA format, general manuscript guidelines	Used Times New Roman or Courier, 12 point font	Used either not both: (Times New Roman / Courier) or 12 point font	Did not use either Times New Roman or Courier, and was not 12 point font		
	Use italics, not underlining, when necessary		Using underling rather than italics		
	Double space, including title page and reference	Double spaced paper, not title page and/or the reference list	Does not double space everything		
	1 inch margins, left, right, top, bottom		Did not use 1 inch margins		
	Indent 5 spaces for paragraphing	1-3 paragraphs not indented 5 spaces	Did not indent 5 spaces for paragraphing		
	Number pages consecutively, beginning with the title page	Number pages consecutively, excluded the title page	Did not number pages consecutively, beginning with the title page		
	Title page includes a page header and a running head; consecutive pages include only the running head	Title page missing either a page header or running head; consecutive pages include only the running head	Title page did not include a page header and/or a running head; consecutive pages did not include the running head		
	3		0		
APA format, general citation and reference guidelines	Cites all information taken from another source		Does not cite all information taken from another source		
	Citations made parenthetically or in the text of the paper, include author(s) last name and year of publication		Citations made parenthetically or in the text of the paper, do not include author(s) last name or year of publication		
	Used APA format for all references and listed alphabetically, excluding "a," "an," and "the."		Did not use APA format for all references and/or not alphabetically listed according the first word		
	The reference list on a separate page and titled "References"		The reference list was not on a separate page and/or titled "References"		
	Every citation in the text referred to an entry on the reference page; every entry on the reference page has a citation in the text.		Not every citation referred to an entry on the reference page or not all entries on the reference page has a citation in text.		
		2		0	
	Quotations-citation includes the page number, or, in the case of electronic sources, the paragraph number		Quotations-citation does not include the page number, or, in the case of electronic sources, the paragraph number		
	Long quotations (40 or more words) set off in an indented block. No quotation marks		Long quotations not set off in an indented block or used quotation marks		

Title of Paper: _____

Total Score - Content (Page 1) _____/ 55 possible

Total Score - Mechanics (Page 2) _____/ 45 possible

Overall Total Score _____/ 100 possible

A Scientific Essay must receive a minimum of 75 points from each judge to enter it in award competition.

Purpose of the Essay

The purpose of this essay is to present new or newly applied information in imaging sciences to professionals in the field with the aim of enhancing their use and understanding of technology and/or improving their patient skills through the expertise you have gained in your research or your practice.

Content of the Paper

Your topic may focus on one of the following:

1. A new position, device, technique, principle, modality or concept in the imaging sciences and its benefit to the patient and/or the profession.
2. A new application or improvement of an existing position, device, technique, principle, modality or concept in the imaging sciences and its benefit to the patient and/or the profession.
3. A discussion of how imaging science plays a role in the diagnosis and treatment of a certain disease.

Judging Criteria (Content)

1. Originality

- a. Does this paper discuss a new concept?
- b. Does this paper discuss a new application of an existing concept?
- c. Does this paper reflect the authors own interest and ideas?

2. Organization

- a. Does the paper have a main idea or thesis?
- b. Do the main points of the paper support the thesis?
- c. Are the main points of the paper organized in a logical sequence?
- d. Are there clear transitions to help the audience move from one part of the paper to the next?
- e. Does the paper conclude with a summary of findings and/or the author's opinion?

3. Research/Use of Sources

- a. Are the author's ideas supported by adequate research?
- b. Are the resources used authoritative, current, accurate and objective?
- c. Is there a balance between the literature cited and the author's own ideas and conclusions?
- d. In using the literature, does the author show mastery of the subject?

4. Citation of Sources

- a. Does the author use the APA format throughout the paper?
- b. Is the reference list complete, including all sources referred to in the paper?
- c. Are the number of references adequate for the length of the paper?

5. Educational or Technical Value

- a. Does the information in this paper provide technical application to practitioners in the field and add to their body of knowledge?
- b. Will this information improve the practitioners' professional ability?

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Scientific Essay Judging Criteria/ Composition Tips Page 2

Judging Criteria (Mechanics)

1. General Rules of Good Writing

- a. Is the paper free of spelling errors?
- b. Is the paper free of sentence errors?
- c. Is the sentence structure varied and clear?
- d. Does the writer use technical terms accurately?

2. APA Format and General Manuscript Guidelines

- a. Use **Times New Roman** or **Courier New**, 12 point font.
- b. Use italics, not underling, when necessary.
- c. Double space entire paper, including the title page and the reference list.
- d. Leave one inch margins, left, right, top and bottom.
- e. Indent 5 spaces for paragraphing.
- f. Number pages consecutively, beginning with the title page.
- g. Title page should include a page header and a running head; consecutive pages should include only the running head.
- h. Use headings to divide the paper into logical sections.

3. APA Format, General Citation and Reference Guidelines

- a. Cite any information taken from another source, whether it's a quote, a paraphrase or a summary. Failure to do so is plagiarism.
- b. Citations may be handled parenthetically or in the text of the paper, but must include the last name of the author(s) and the year of publication
- c. If quoting, be sure the citation also includes the page number, or, in the case of electronic sources, the paragraph number.
- d. Long quotations, in excess of 40 or more words, should be set off in an indented block paragraph. In this case, the quotation marks are not necessary.
- e. The reference list must be a separate page and must be titled "References".
- f. Use APA format for all the references and list alphabetically according the first word, excluding "a", "an" and "the".
- g. Every citation in the text must refer to an entry on the reference page. Every entry on the reference page must have a citation in the text.

4. Please use one of the following resources for more detailed explanations of APA formatting, including instructions for including graphs, tables or pictures.

- a. <http://leo.stcloudstate.edu/research/apadocument.html>
- b. <http://www.wisc.edu/writetest/Handbook/DocAPA.html>
- c. http://owl.english.purdue.edu/handouts/research/r_apa.html
- d. *Publication Manual of the American Psychiatric Association, 5th ed.*
- e. Perrin, R. (2004) *Pocket Guide to APA Style*. Boston: Houghton Mifflin Co.