

2020 October BOD President Report Part A

Report Period: after March 2020 Board meeting to October 2020 Board meeting

As stated in the NARST Bylaws, “The President shall serve as the senior elected officer of the Association and shall in general supervise and have charge of all the affairs of the Association. The President shall preside at all meetings of the Board and membership and serve as Chair of the Board.”

Financial Report

President Allocation:	\$8000.00
Expenditures:	\$1933.32
Explanation:	\$644.44 per month for April, May, and June for Paul Kemp The Board passed a motion to extend Kemp’s contract at the March 2020. Some confusion existed on whether the implementation of this motion would be an extension—continue the 2019-2020 contract without disruption—or a renewal of the previous contract. To avoid an improper implementation of the motion, a part of the President’s allotment was used to cover the months not included in the previous contract.
Balance:	\$6066.68

Activity Report

Activity 1: Operational

- Met with Directors and committee leaders who needed additional direction and guidance on tasks (6 meetings)
- Appointed replacements to fill emergent committee vacancies
- Responded to queries from Directors, committee leaders, and NARST members
- Streamlined procedures for conference administrative sessions
- Developed a set of minimum expectations for the proposal review process to ensure some consistency across strands
- Submitted NARST Policies and Procedures revisions related to graduate student election, executive director evaluation, conference theme commentary, and NARST coverage of cost for Board members attending Board meetings
- Submitted NARST Handbook revisions related to program committee, executive director evaluation, and administrative session
- Appointed a working group for advancement/ development consisting of Past Presidents Lynn Bryan (chair), Mei-Hung Chiu, and Joe Krajcik with the group’s efforts facilitated by Julie Utano of Virtual, the NARST Management Company.
 - Guidance Provided: Group to provide a plan of action for a two- to three-year general campaign targeting present and past NARST members. Such a campaign could include guidelines and recommendations for eliciting small donations from the general membership to large donations made by the families of their loved ones who are no longer with us, but who devoted their professional lives to NARST. The plan of action may include specific details related to ways to approach the different groups (e.g., age, interests) within NARST—how, at what

frequency, and the like, at what levels to recognize donations, etc. Group produce a two- to five-page document outlining a general campaign that considers the unique constraints of NARST. The organizational work of NARST is done by volunteers with the logistics managed by a contracted Executive Director and a contracted management company.

Activity 2: Management

- Met with Executive Director and Virtual to clarify roles, responsibilities, and expectations (6 meetings)
- Directed operations
- Tracked progress and completion of organizational-level tasks
- Provided feedback and guidance on committee-level tasks

Activity 3: 2021 Conference Planning

- Met with Program Committee to clarify expectations, plan, and provide updates (3 meetings)
- Contacted other professional organizations to elicit recommendations for virtual conference vendors
- Identified and met with virtual conference vendors (10 meetings)
- Met with virtual conference vendors to view demos (5 meetings)
- Met with Program Committee along with selected virtual conference vendors for vetting purposes (3 meetings)
- Created four working groups within the Program Committee (Plenary Keynote, Conference Program Review, NARST-AERA Joint Session, Orlando Activities)
- Secured keynote speaker from a pool of 12 nominations from the NARST membership (nomination process facilitated by the Plenary Keynote Working Group)
- 2021 Conference Proposal Submission Data

Administrative Sessions:	16
Member Total Submissions:	774
Submissions by Strands:	
Strand 1	34
Strand 2	69
Strand 3	33
Strand 4	65
Strand 5	68
Strand 6	60
Strand 7	82
Strand 8	68
Strand 10	63
Strand 11	84
Strand 12	59
Strand 13	28
Strand 14	46
Strand 15	15

Activity 4: Board Meetings

- Developed 2020 July agenda and planned for agenda implementation
- Developed 2020 October agenda and planned for agenda implementation

Activity 5: General Meetings

- Finance Committee (3 meetings)
- Executive Committee (a few included additional guests) (5 meetings)

2020 October BOD President-Elect's Report
Part A

Report Period: post conference March 2020 Board meeting to September 2020

Financial Report

President-Elect budget balance \$4000.00

Expenses: None to date (Margaret Bauman communication, 9/16/2020)

Activity 1: Virtual meetings

- Attended meetings in March – October to discuss business of NARST related to the 2021 conference and regular business
- Attended meetings as part of the Executive Committee

Activity 2: Annual evaluation of key partners [Executive Director, Management Company, Program Data Manager] [see PEC report]

- The Personnel Evaluation Committee [PEC] met to discuss the annual review process
- The PEC, along with the Executive Director (for review of the Management Company) reviewed solicited documents.
- Requested independent reviews from the Directors.
- Conducted review of documents submitted by targeted personnel (in collaboration with the Executive Director (for Management company review) and Immediate Past President (for the Program Data Manager).

Activity 3: Overview responsibilities

- I participated in daily/weekly virtual conversations about NARST business, including proposals for book income, functioning of NARST standing committees, elections procedures, Policies and Procedures updates, archiving NARST conference programs, among other topics.

Activity 3: 2021 Conference Planning

- Participated in multiple online demonstrations from vendors for coordinating and managing a virtual conference, potentially for 2021 NARST
- Participated in discussions about the format of the 2021 NARST conference

Activity 3: 2022 Conference Planning

- Identified three potential locations and venues for the 2022 NARST conference
- Reviewed proposals from specific hotel venues to host the 2022 NARST conference
- Proposed negotiation topics for the contract for the 2022 NARST conference
- Agreed to final contract for the 2022 NARST conference
- Planning a site visit when travel restrictions are lifted

Activity 4: Standing Committee Appointments

- Solicited volunteers for NARST standing committees. Received 75 volunteers

- Working on the assigned committee members to begin term in 2021
- In the process of contacting these members for their approval to serve in these committee roles. Expect proposed committee assignments by October meeting.

Immediate Past President Report

October 2020

Part A

Since the Spring 2020 virtual board meeting, I have been involved in all virtual meetings and discussions with the Executive Committee and the Finance Committee with President Eileen Parsons, President Elect Renee' Schwartz, Secretary Treasurer Jerome Shaw, Executive Director Helen Schneider Lemay and Virtual staff. Our discussions were focused on the financial status of NARST, budget, NARST Logo and Tagline, committee work, conference scheduling and future locations and the election process.

I began discussing, with a group of leading international members, who are active as well in other organizations – possible NARST conferences outside North America. The two reasons for these conversations were: (1) a survey I submitted, as a President, in November 2019, which showed that NARST members are concerned with the organization's openness to international members and an expectation to include more actions to increase the organization's international activity; (2) an analysis of NARST membership that shows a steady and even decline of international membership. My belief is that due to the status of science education faculty positions and PhD students, the main way to maintain the current membership or even increase it is through increasing international membership, and especially from under-represented countries such as central and eastern European countries, Africa and Latin America. The Covid-19 pandemic on the one hand, which totally shuffled the travel habits and regulations on the one hand and the views I collected, on the other hand, have made me postpone further developing of the idea. In my conversation with international colleagues, they pointed to the following issues that have to be seriously considered, as limitations:

Another international conference in any of the continents, could harm already existing ones such as ESERA, ASERA, etc.

NARST is a US based organization, with a certain way of running its business and conferences. Having the conference in remote locations using the same conference structure in the US could be too expensive, or it will require a total change in how the conference is arranged.

There is no guarantee that US-members, especially underfunded and graduate student could afford the high flight rates. This could yield lower registration.

It makes sense that there are few large international science education conferences around the world, with NARST being dominant in the USA.

My recommendation, therefore, is to continue looking for better engagement and participation of international scholars in the current structure, management and conferences of NARST.

Updating the Policy and Procedures Manual

Due to some problems with how the P&P was updated through Google Drive, I preferred using the old one-by-one revision, despite the more time-consuming effort. The new template for running the minutes is very helpful. The minutes are much more concise and enable easy extraction of the motions and the language offered for the P&P. Most board members were attentive and sent revisions in time

due. The work done by Gail Richmond last year capturing many past revisions and changes that were not introduced to the P&P was very helpful.

I will do another update/editing of the document after our October Board meeting so that this version (with necessary minor adjustments resulting from any actions taken at virtual Board meetings if held between October and next April) is the one which gets forwarded to the Board for their approval at the pre-conference board meeting in 2020.

NARST Elections Committee. As an ex officio member of the Elections Committee, I undertook massive recruiting member candidates for various Board positions, in particular that of President-elect. At the due date we did not have any candidate for President-Elect and extended the deadline for recruiting candidates.

Fortunately, as a result of this action and active recruitment efforts, we were able to identify the required number of individuals who agreed to serve on the slate for the upcoming election.

Finance Committee. With the other two members of this committee (Treasurer and President), and with the help of Virtual staff, I have participated in discussions and made decisions across this six-month period regarding approval of funds requested for various activities and tasks on behalf of NARST.

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Secretary | Treasurer Report
Part A
Jerome Shaw

Secretary-Treasurer activities were especially high during this reporting period due, in part, to the need to address financial issues related to the cancellation of the annual conference which had been scheduled to take place March 15-18, 2020. Other atypical activities included those associated with the first ever transition from NARST's founding Secretary-Treasurer, Gregory Kelly, to newly elected Secretary-Treasurer Jerome Shaw. Transition activities included transferring signatory power on NARST financial accounts from Kelly to Shaw, a process which took multiple communications involving the Secretary-Treasurer, Executive Director, Virtual (NARST's management company) staff, and various financial institutions (e.g., Stifel).

Completed all duties of Secretary-Treasurer including:

- Served on the Finance and Governance Committees.
- Chaired Finance Committee meetings on 05.08.2020 and 08.07.2020.
- Participated in Governance Committee's preparation of policy and procedures for Off-Site (Auxiliary) Events.
- Participated in NARST BOD meeting on 07.13.2020.
- Participated in Executive Committee meetings on 08.20.2020 and 09.17.2020.
- Participated in meetings with NARST Executive Director and Virtual (NARST's management company) staff regarding accounting procedures, quarterly financial reports, analysis of NARST insurance coverage, annual tax filing, and treasurer transition paperwork.
- Prepared special report on NARST 2020 Conference expenses.
- Reviewed and approved check runs dated:

04.01.2020, 04.20.2020, 05.15.2020, 06.04.2020, 06.17.2020, 06.30.2020, 07.08.2020,
07.15.2020, 07.30.2020, 08.14.2020, 08.31.2020, 09.16.2020, 09.30.2020

NOTE: 03.16.2020 check run approved by previous Secretary-Treasurer Greg Kelly

2020 OCT BOD Executive Director's Report Part A

Executive Director's Report

Helen Schneider Lemay

15 September 2020

The following is a recap of key tasks undertaken from March 2020-September 2020.

NARST Committees

- Worked with board liaisons on handbook revisions. Send to Past-President to review and coordinate with the P&P. This is still in progress and will be completed by the end of the year for approval and posting to the website.
- Worked with the Elections Committee on the call for nominations. Set up a Goggle Docs repository and created a spreadsheet of names/materials received. Will continue with the elections process following Committee review and board approval (contact to reconfirm desire to run, solicit materials needed for the elections, submit to Paul for website and voting).
- Participated in the discussions from the ad hoc committee on fundraising including adding donation information to the renewal forms. Met with Virtual's sponsorship staff member about possible sponsorship campaign based on commissions. Next steps would be to assign a NARST lead (possibly the ad hoc fund committee) to work with Virtual on communication to possible funders.
- Made suggestions to the Website Committee for social media enhancements.
- With Virtual, pulled membership data for the Membership Committee and made suggestions for added fields to better identify our members.

Membership – see attached report on membership.

Annual Conferences

- Handled close out for the 2020 conference, including final budget and working with Paul on posting any presentations that took advantage of this opportunity.
- Worked with AERA on the 2021 conference and eventual decision by AERA to hold their meeting virtually. MOU with AERA has been cancelled and I negotiated a possible proposal to meet in-person in Orlando. Meanwhile, working on defining what a virtual 2021 conference might look like and doing demos with various vendors.
- Working with Virtual, presented various locations for the 2022 conference. Vancouver, B.C. was selected and a contract finalized.
- Contacted AERA and NSTA for locations and dates for their 2023 & 2024 conferences so we can look at possible co-dates or co-locations to minimize travel for members who might attend both meetings.
- Initially worked with Virtual on a contract for the October board meeting and the Hyatt Reston. No contract was signed and meeting is now virtual.
- Developed more accurate RFP, budgets, timelines and tasks/roles for conferences.
- Defined Virtual's role with a virtual meeting as we move forward.
- 2020 submissions (as of today) – 772 with the following breakdown:

- 603 standalone paper proposals
- 99 poster proposals
- 31 roundtable proposals
- 20 symposium proposals
- 19 related paper set proposals

NOTE: We had 895 submissions for 2019 but that included 14 admin sessions that are not included in the 772 number above.

Relationships/Collaborations

- Developed relationships with AERA and NSTA, including “welcome” call with NSTA representative to NARST. Discussed several possible ideas with each society and handed off to Mike Bowen (NSTA) and Senay Purzer (External Affairs liaison).
- Would like to continue developing relationships with other sister organizations.
- Developing ideas for ancillary memberships with vendors such as publishers, non-research academics and other interested cohort groups.
- Held conversations with Wiley. They are researching the book that would like to donate royalties to NARST. Royalties are usually 9-15% of the sales price. Rutledge is confirming past sales of the handbook so we can gauge the amount of possible royalties.
- I would like to discuss ideas to highlight authors and papers from the journal to members to engage the authors more with the society.

Board Interface

- Continued communicating on a regular basis with the President, President-Elect and Treasurer, including weekly reports.
- Interfaced proactively with other board members as needed.
- Participated in board calls.
- Issued call for board reports and budget requests following conversations with the President.

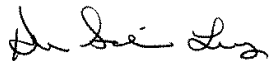
Website

- Worked with web editor, iMIS and FUSE (now FreeLock) to install the SSO function. It is now complete and members are using.
- Archiving documents such as past conference programs, minutes and budgets.
- Worked with Paul and PODI on the call for proposals.
- Provided ideas for content and using website (and social media) to engage members.

Looking ahead

- Establish better processes for tasks with clearer responsibilities and time line.
- Prepare handbook for review by the end of the year.
- Continue to assist (and suggest we do more) virtual workshops and contacts with members.
- Work with Virtual and selected vendor for our 2021 conference.
- When travel is possible, visit the Vancouver hotel to map out the meeting for 2022.
- NARST News*

Submitted by:



Helen Schneider Lemay
15 September 2020

NARST Historic Membership Data 2010-Present

Membership Category	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020*
Regular w/ JRST	951	739	618	427	458	470	391	336	278		
Regular w/ eJRST		123	373	563	485	524	500	447	453		
Regular Membership										683	708
Student w/ JRST	187	156	153	120	152	144	134	121	95		
Student w/ eJRST		3	67	73	346	351	310	343	285		
Student without JRST	224	300	336	320							
Student Membership										461	428
Emeritus w/ JRST	20	19	13	12	12	10	12	13	7		
Emeritus w/ eJRST			1	3	5	5	8	10	3		
Emeritus without JRST	4	7	21	2	51	51	53	54	57		
Emeritus										71	76
UNDP w/ JRST	11	15	17	14	11	13	8	11	10		
UNDP w/ eJRST			5	12	8	11	9	7	15		
UNDP										20	36
Non-collegiate educator w/ JRST	10	27	43	43	41	37	41	31	24		
Non-collegiate educator w/ eJRST		3	25	39	73	61	57	59	40		
Non-collegiate educator without JRST		15	20	50							
Non-collegiate educator										71	68
Staff										3	1
Sustaining	4	4	20								
	1411	1411	1712	1678	1642	1677	1523	1432	1267	1309	1317
*As of 8/31/2020											
Membership Profile	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
International Members	308	300	349	368	331	379	296	382	242	274	296
USA Members	1101	1107	1375	1310	1312	1298	1227	1050	1025	1035	1037

NARST

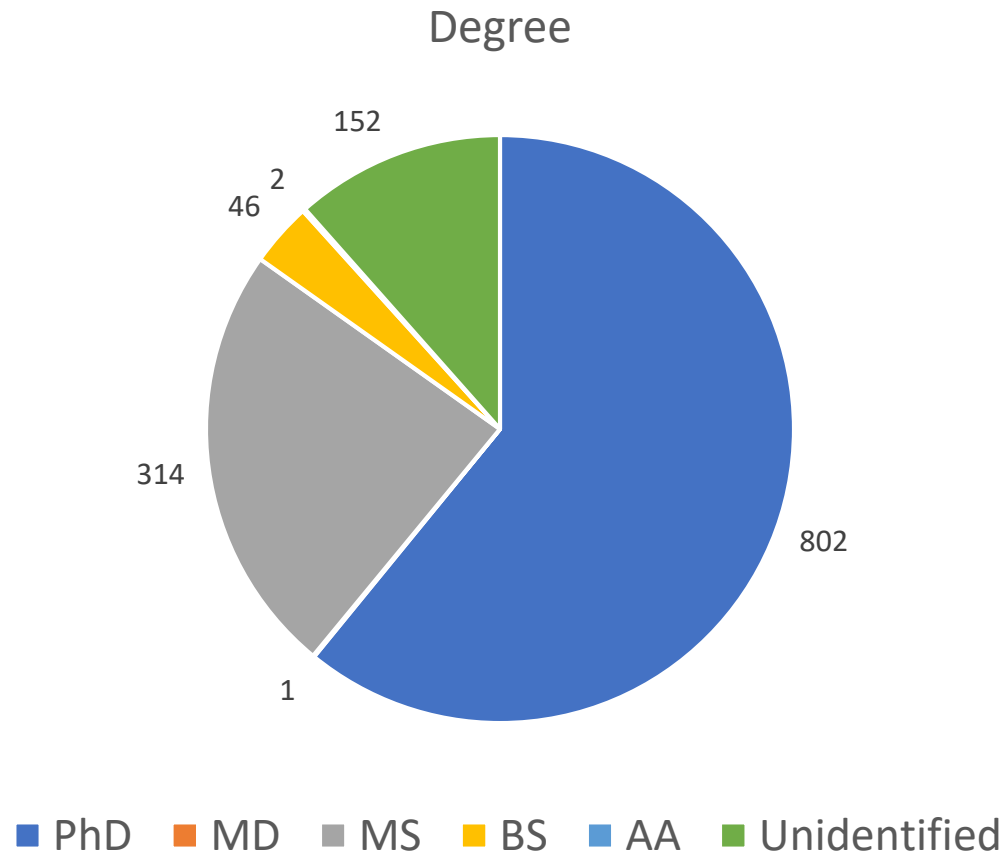
11130 Sunrise Valley Drive • Suite 350 • Reston • Virginia • 20191
info@narst.org

NARST Membership Data October 2020

Membership Data

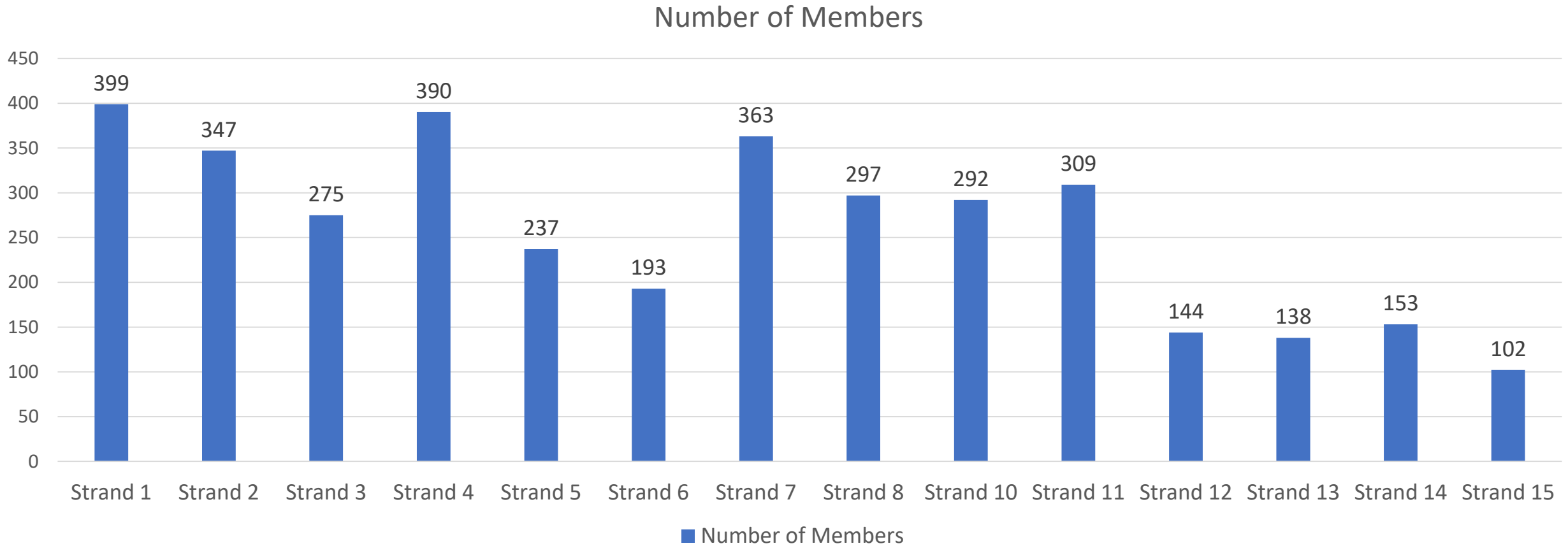
Degrees Held by Membership

85% of NARST members hold PhDs or a Master of Science.



Membership by Strand

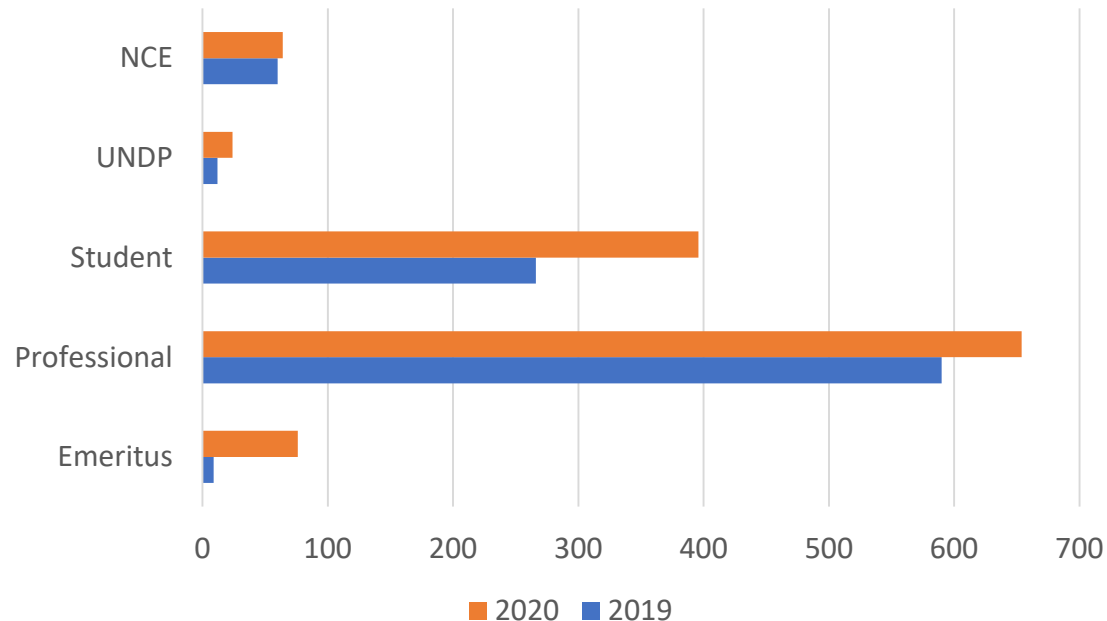
The majority of NARST members (94%) belong to at least one Strand, with Strands One, Four and Seven having the highest membership.



NARST Membership YTD

2020 Membership YTD (Jan-Aug) has increased by 337 members, a 36% increase over last year. This growth was driven by a rise in the number of regular memberships.

New Joins/Renewals YTD

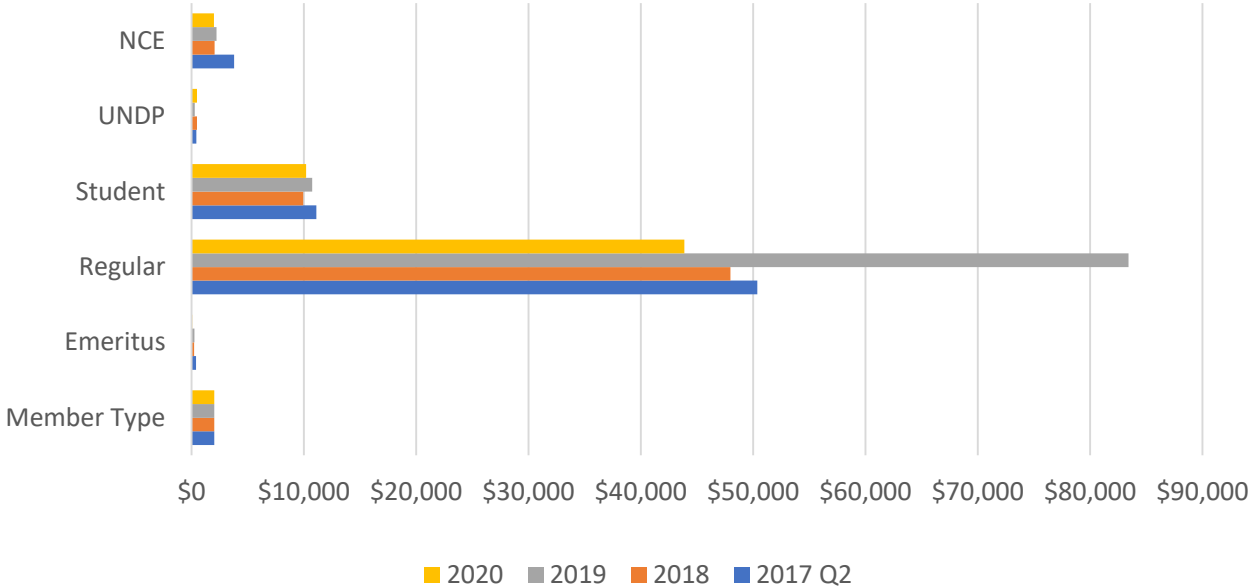


Member Type	2019	2020
Emeritus	69	76
Regular	575	654
Student	348	396
UNDP	15	24
NCE	60	64

NARST Membership Revenue Q2

In 2020 membership revenue has decreased by \$4,315.10 in the second quarter, a 7% decrease over last year.

NARST Membership Revenue Q2 Comparison

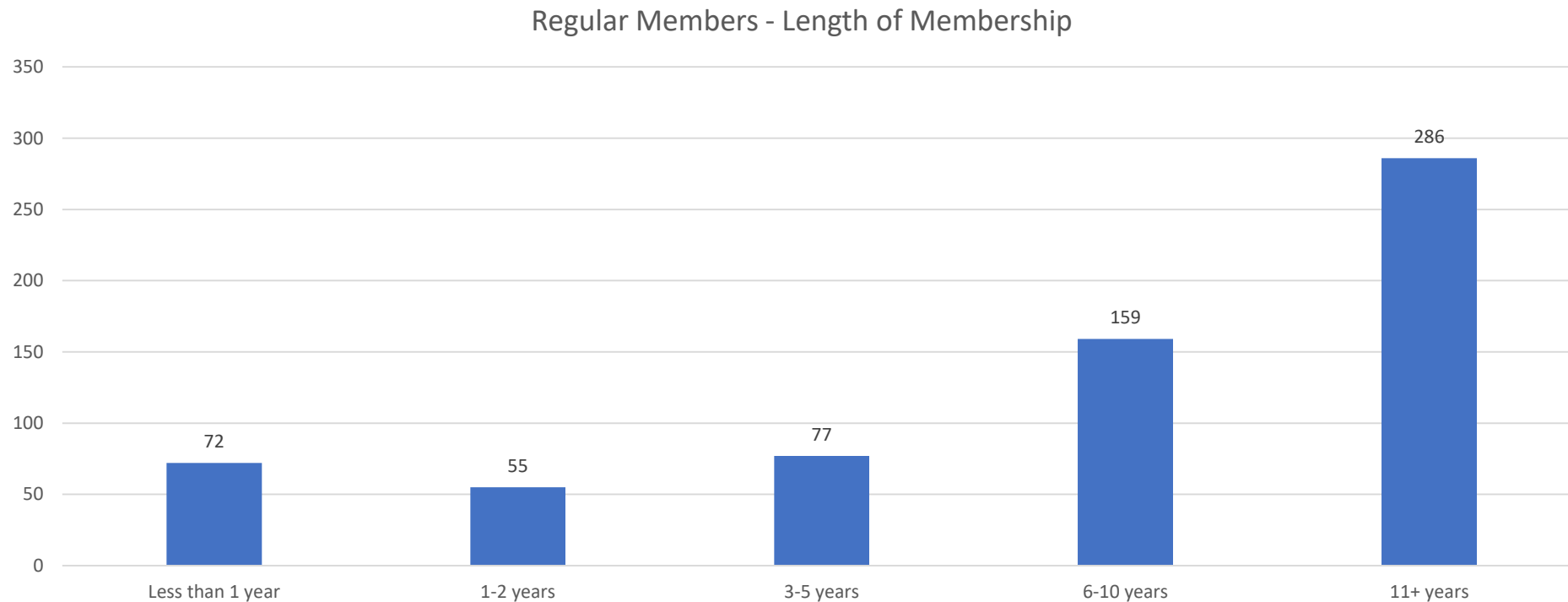


Q2 Comparison

Member Type	2017	2018	2019	2020
Emeritus	\$ 393	\$ 218	\$ 244	\$ 55
Regular	\$ 50,361	\$ 47,973	\$ 83,422	\$ 43,867
Student	\$ 11,123	\$ 9,956	\$ 10,727	\$ 10,192
UNDP	\$ 432	\$ 483	\$ 282	\$ 488
NCE	\$ 3,780	\$ 2,045	\$ 2,218	\$ 1,988

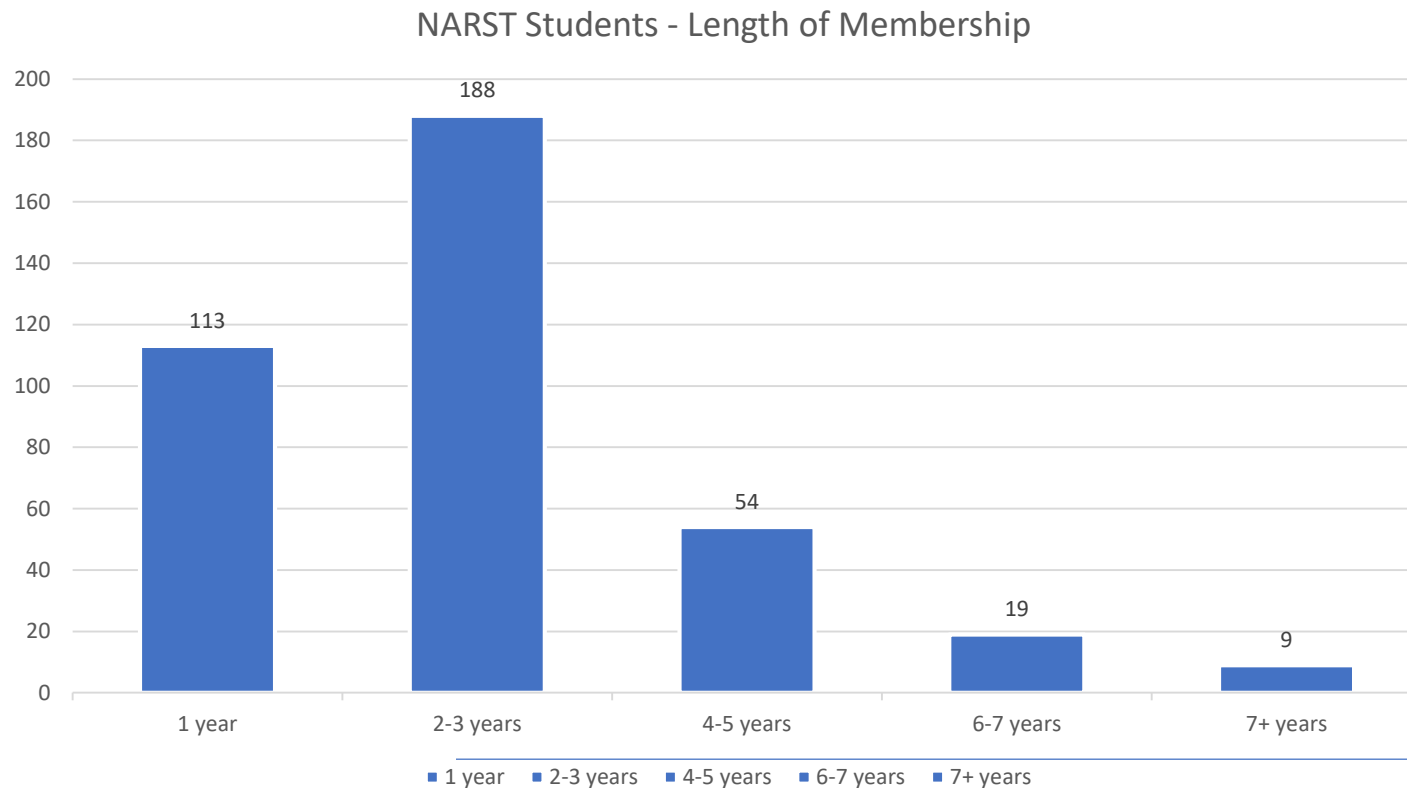
Regular Members Length of Membership

Most NARST Members have been members of NARST for over 11 years. Of the total Regular members, 69% have been members for more than five years.



Student Members Length of Membership

Most students have been members for less than four years. 7% of students have been members for more than five years.



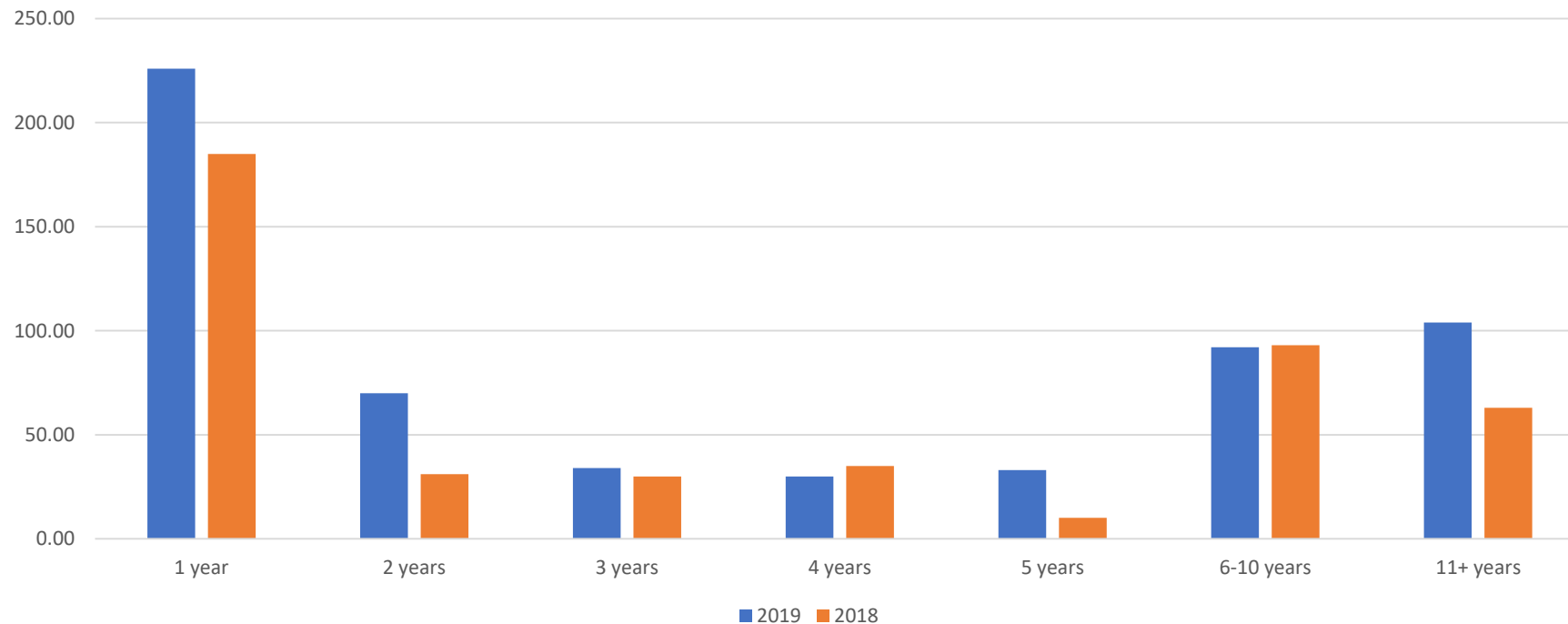
Institutions with Highest Number of Student Members:

- Michigan State University – 11
- University of Georgia – 10
- Penn State University – 9
- Stanford University – 8
- North Carolina State – 8

NARST Membership Attrition

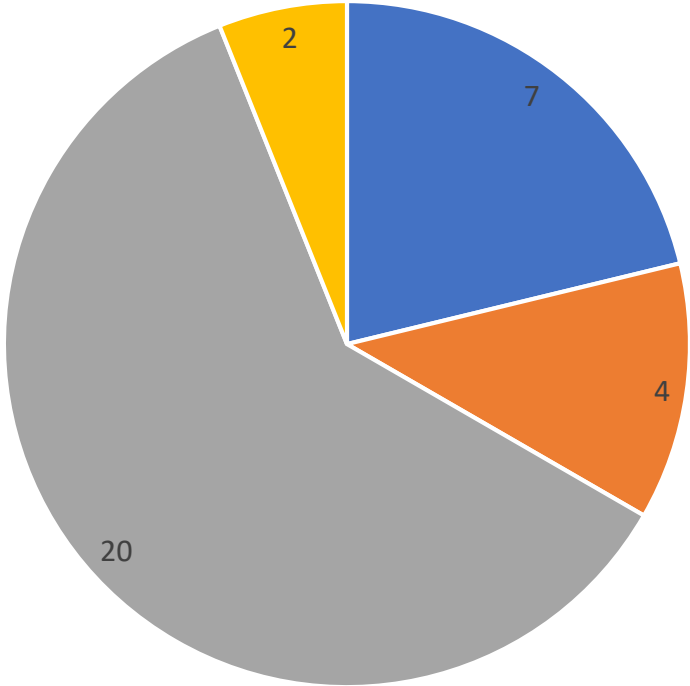
First year members are most likely not to renew. However, if we added 6-10 years and 11+ years, it would almost match first year departures. There was a significant increase in 2019 of members leaving after 11+ years of membership which would indicate members are retiring. If the trend continues NARST membership will decrease over time.

NARST Lapsed Members – Membership Duration



NARST UNDP Members

UNDP Members



■ Asia ■ Pacific Rim ■ Africa ■ Middle East

Countries with the highest number of members:

Nigeria: 14

India: 5

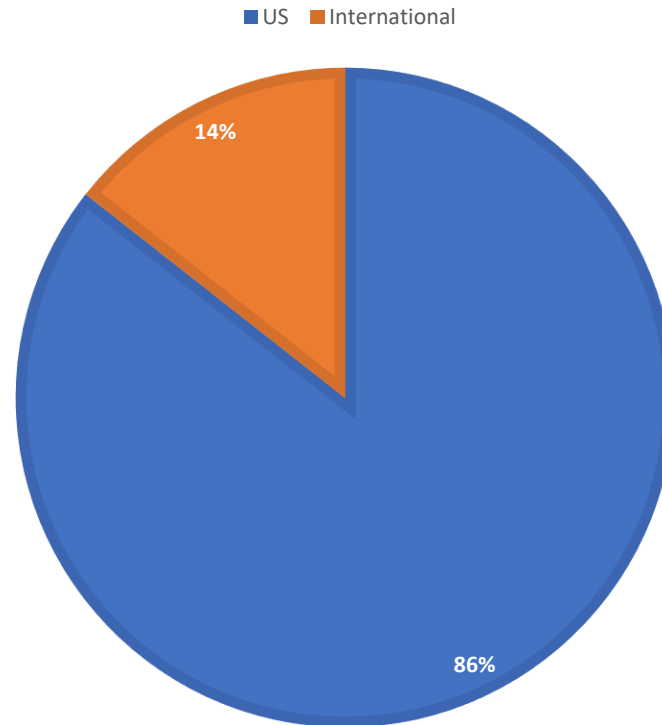
South Africa: 5

Event Registrant Data

NARST Conference Registrants – where are they from?

Nothing new here. But good to validate. 86% of registrants are from the US.

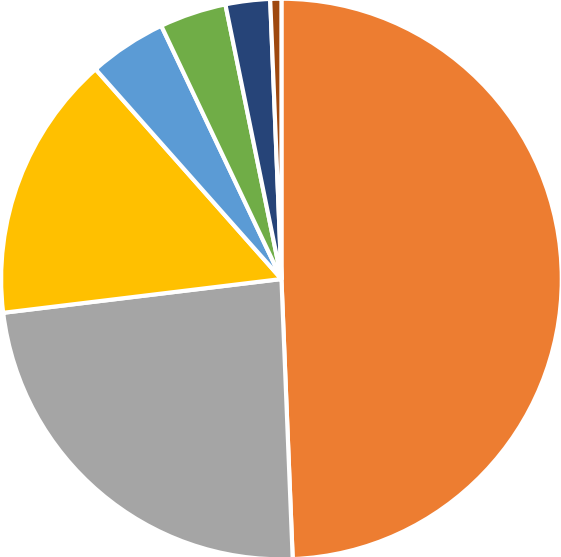
US VS. INTERNATIONAL REGISTRANTS FOR NARST 2020



NARST Conference Registrants – International Breakout

Israel and Germany had the most registrants for the 2020 Conference.

Breakdown of International Registrants



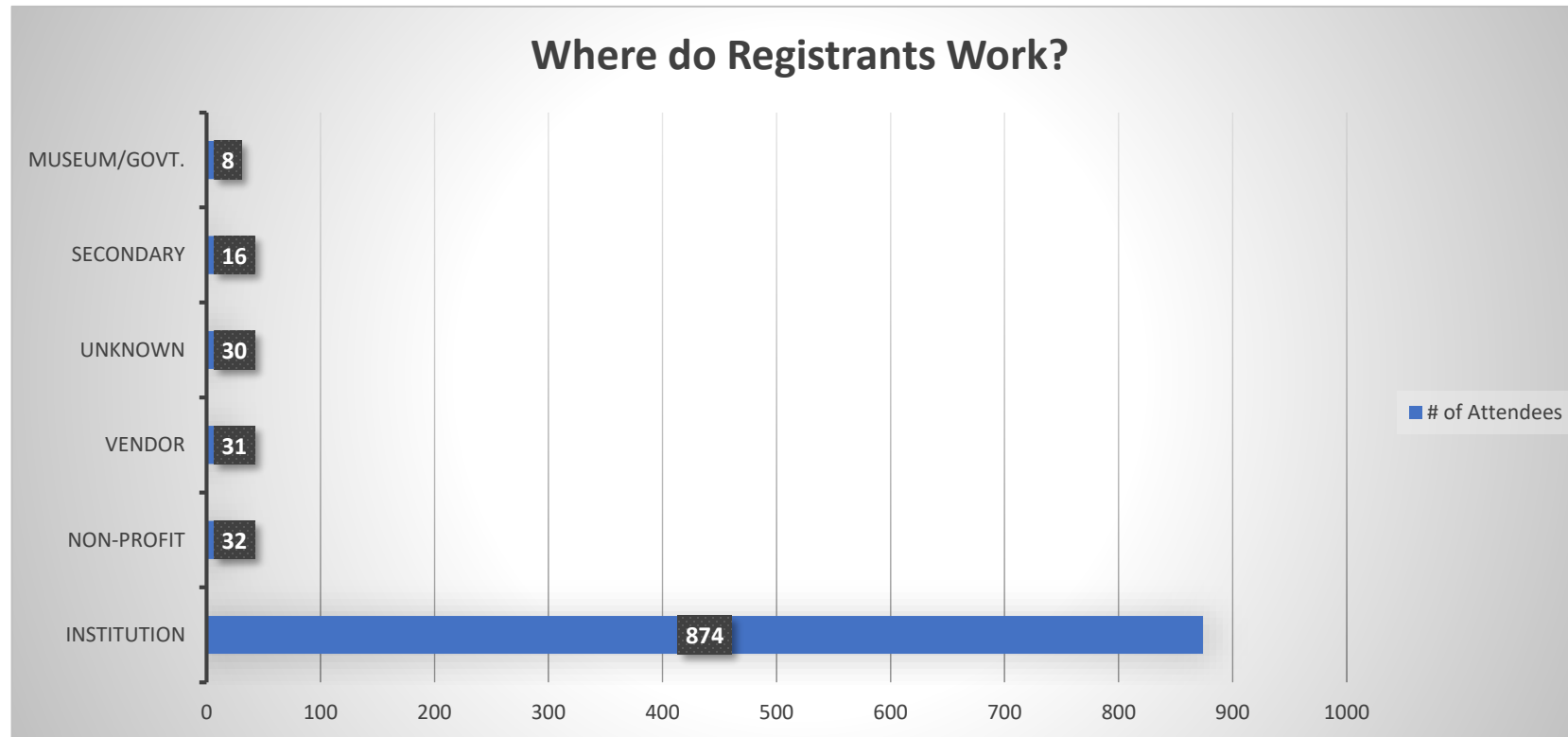
■ Europe ■ Middle East ■ Asia ■ Australia ■ South America ■ Africa ■ S. Asia

Top 5 Countries Represented:

- Israel – 31
- Germany – 27
- Canada – 25
- Republic of Korea/United Kingdom - 11

NARST Conference Registrants – where are they from?

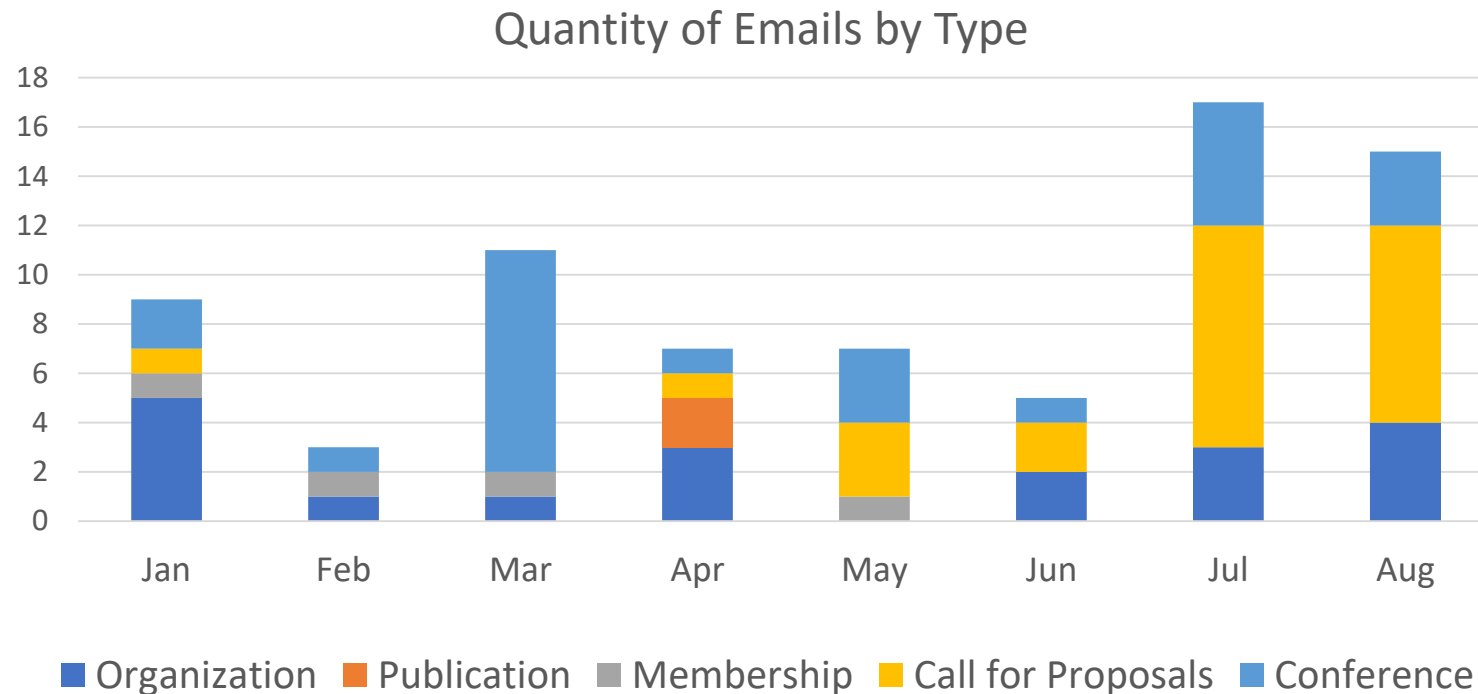
88% of attendees work at institutions.



Communications Data

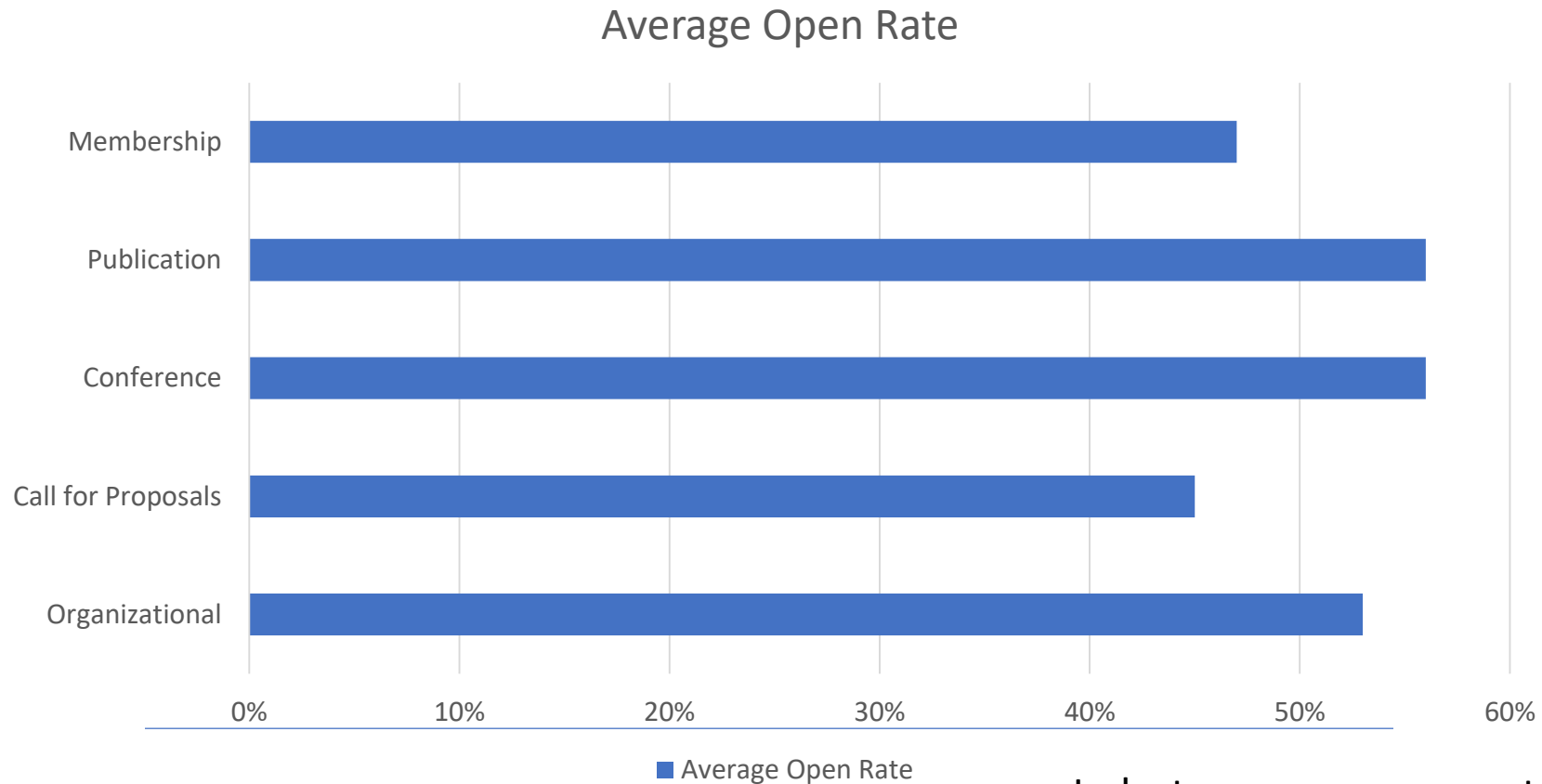
NARST Emails – What are We Sending Our Members?

We send our members an average of ten emails a month covering various topics. Note highest numbers of emails per month surrounding the 2020 Conference and summer calls for proposals/2021 Conference calls.



NARST Emails - Are People Reading NARST Emails?

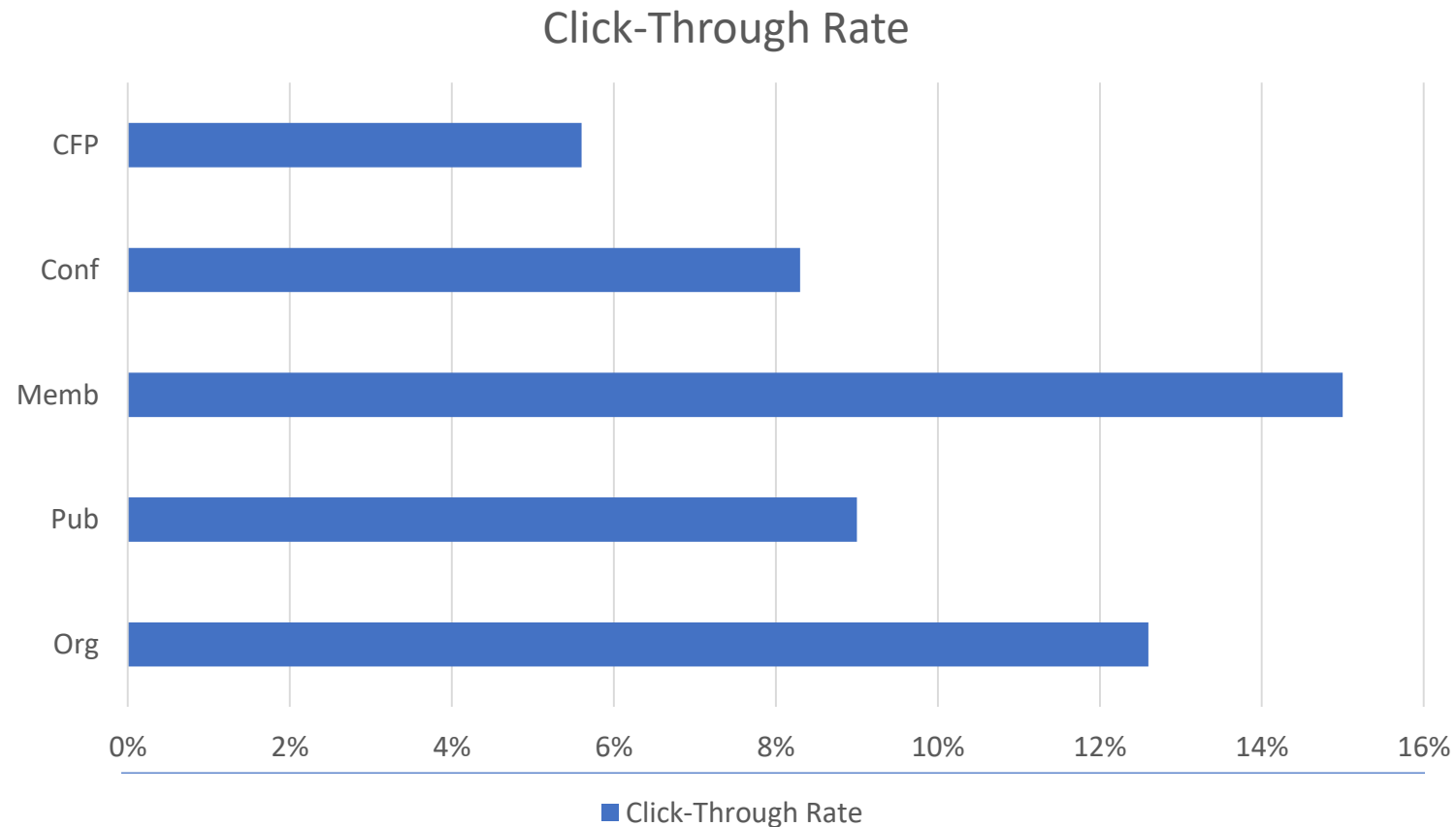
NARST open rates remain consistently high, with a YTD average of 52%. The top five emails with the highest open rate pertained to the 2020 Conference cancellation.



Industry average open rates are about 20% for informational emails

NARST Emails - Are People Clicking Through?

Click-through rates measure how many people click the link within the email. NARST emails with the highest click-through rates include clear actionable items, like the recent NARST logo survey and membership renewals, and announcements surrounding the 2020 Conference presentations and awards.



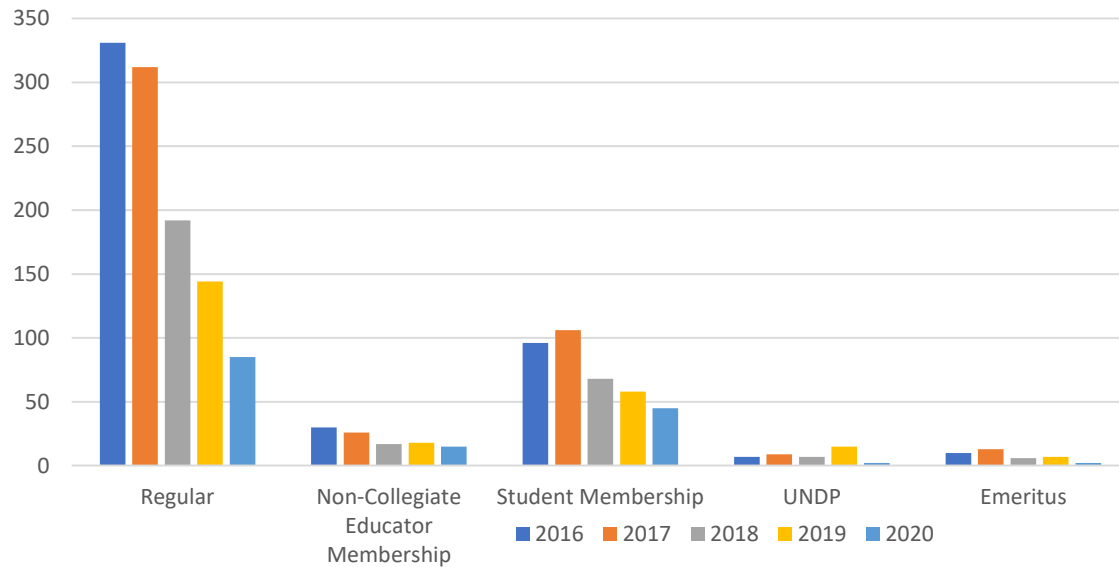
Industry average click-through rates are 5%

JRST Subscription Data

NARST *JRST* Year Over Year Subscription

In 2020 subscriptions to the print *JRST* is 154

NARST *JRST* Subscriptions Year to Year



Member Type	2016	2017	2018	2019	2020
Regular	331	312	192	144	85
Non-Collegiate Educator Membership	30	26	17	18	15
Student Membership	96	106	68	58	45
UNDP	7	9	7	15	2
Emeritus	10	13	6	7	2

2020 October Board of Directors Meeting
Awards Committee: Part A
Submitted by Noemi Waight, BOD liaison to the Awards Committee
September 25, 2020

Part I: Committee Work To Date

- I. A meeting was convened with all of the Awards Subcommittee Chairs and Co-Chairs on April 9, 2020. The following Agenda guided this meeting:

Agenda

- NARST Fellow Award Program

Need to make decision if we initiate the program in 2020-2021 or alternatively 2021-2022. If we initiate the program for the upcoming cycle, will need to establish and ad-hoc committee. For the 2021-2022 cycle, volunteers for this committee will be solicited through the regular volunteer process.

Need to develop a rubric for the proposed selection criteria

- Awards Committee Onboarding
- Chair/Co-Chair roles
- Call for Nominations – Timeline
- NARST 2020 Awardees will be honored during 2021 NARST conference
- Any Other Business

Based on the above, ideas for a working rubric were provided.

A new timeline for call for nominations for all of the awards were proposed. The new timeline is intended to streamline all of the awards and to ensure adequate time for each subcommittee to complete their work in a timely manner. The new timeline:

Deadline: July 31, 2020 (Note that due to COVID-19, the deadline was extended: August 30, 2020)

First Call: Mid May

Second Call: Mid June

Final Call: early July

- II. I reviewed and prepared the Call for Nomination announcement for the DCRA, ECRA and ODRA. The nominations were reviewed by the Chair/Co-Chairs and approved for release. The first, second, and third call for nomination announcements for the DCRA, ECRA and ODRA were organized with Helen and Virtual Management team.
- III. The NARST Fellows Award Announcement to the NARST membership was officially launched on July 24, 2020. Drafts of the announcement were prepared by the liaison and reviewed by the Executive Leadership. The NARST Fellows Award subcommittee is comprised of the following volunteers. Eight NARST members were invited to participate as volunteers for the subcommittee. The following members agreed to serve:

Chair: Jomo Mutegi

Members

Julie Brown

Hosun Kang

Dale Baker

The deadline for call for nominations is October 2, 2020.

Part II: Individual Subcommittee Reports

Distinguished Career Research Award (DCRA)

Prepared by Maria Varelas (Chair) and Marissa Rollnick (co-Chair)

The following report addresses the activities of the DCRA.

Sub Committee

(21) Maria Varelas (Chair)	University of Illinois Chicago, US
(22) Marissa Rollnick (Co-Chair)	Univ of Witwatersrand, South Africa
(21) Julie Luft	University of Georgia, US
(21) Nasser Mansour	University of Exeter, UK
(21) Rachel Mamlok-Naaman	Weizmann Institute, Israel
(21) Sibel Erduran	Oxford University, UK
(22) John Falk	Institute for Learning Innovation, US
(22) Okhee Lee	New York University, US
(23) Malcolm Butler	University of Central Florida, US

Call for Nominations

The call that was used for the 2019-2020 application cycle was reviewed and updated before it was sent to NARST Board Member and Awards Committee Liaison Noemi Waight. Noemi coordinated the distribution of the call along with the calls for the other NARST awards. Due to COVID-19, the deadline for submission of nominations for all awards was extended to August 28, 2020.

Nominations

By the extended deadline, four scholars were nominated. For three of them, one nomination letter was received, and for one of them, two letters. These nominations are currently being reviewed by the DCRA Committee members to determine which ones will move forward to the second stage of the process.

Review Process

Before the closing of the nomination period, the DCRA Chair sent out to the Committee members a form to review that could be used for collecting each member's recommendation for each of the nominees. The form was found to be sufficient and no changes were needed.

After the closing of the nomination period, the DCRA Chair sent out all nominations to the Committee members, along with the agreed upon form, with a request to complete their form by September 14 and send it to the DCRA Chair and Co-Chair. A reminder was sent to all members on the date the form was due.

After the September 14 deadline, aggregate data will be shared with all Committee members and if a decision is clear, the DCRA Chair will invite the nominees who will advance to the second stage. If a decision is not clear, a meeting of the DCRA Committee will take place to discuss who will advance to the second stage. Then the DCRA Chair will invite those nominees who continue to the second stage to submit their complete packets by **November 20, 2020**. Although the original schedule calls for that deadline to be November 1, the extension of the nomination deadline necessitates this year's extension of the deadline for the submission of complete packets.

Item for Discussion within Committee and the Board

A Committee member noted that the Policies and Procedures document includes: "The recipient of the Distinguished Contribution to Science Education through Research Award should have contributed over a period of at least 20 years since the award of his or her doctorate and should be at the pinnacle of his/her career." However, over the years, the call for nominations (including this year's call) has only included the 20-year requirement but not the "at the pinnacle" requirement.

Moreover, there does not exist any operationalization of what being "at the pinnacle" of one's career means.

The DCRA Committee will be discussing this issue for this year's cycle, but we also think that the Board needs to address this issue and come up with more clarity regarding what to do with the discrepancy between the two documents, the Call and the Policies and Procedures, and how to define being "at the pinnacle" if that continues to be included in the Policies and Procedures document.

Early Career Research Award (ECRA)

Prepared and submitted by Erin Furtak (Chair) and Katherine McNeill (co-Chair)

The following report addresses the activities of the ECRA.

Meetings: There have been no meetings since NARST 2020 was cancelled.

Committee membership

The 2020 NARST Early Career Research Awards (ECRA) Sub-Committee includes a Chair (Erin Furtak), a Co-Chair (Katherine McNeill) and 9 additional committee members charged to select the recipient of the 2021 NARST ECRA Award (see committee member list at the end of this report). The following activities occurred since our last Annual Meeting in accordance with NARST procedures:

Chair:

(21) Erin Furtak (Chair) University of Colorado-
Boulder

co-Chair:

(22) Katherine McNeill (co-chair) Boston College

Members:

(22) Amelia Gotwals Michigan State University

(22) Anna Danielsson Uppsala University, Sweden

(22) Judy Dori Technion, Israel

(22) James Minogue North Carolina State University

(23) Matthew Weinstein University of Washington-Tacoma

(23) Femi Otulaja University of the Witwatersrand

(23) Anton Puvirajah University of Western Ontario

(23) Hsin- Kai Wu National Taiwan Normal University

Applications

Applications were submitted until August 31, 2020. Altogether 5 applications were submitted.

Process

The chair sent out assigned and blinded files and review forms for the first round of reviews to all sub-committee members on or before September 15, 2020. The committee members were asked to return reviews before October 30, 2020.

Committee members were asked to review and rate the nomination packets for each of the nominees, and these ratings will be aggregated and reviewed by the Chair and Co-Chair in early November, 2020. The final recommendation for the awardee will then be circulated with the committee members before sharing with NARST leadership.

Outstanding Dissertation Research Award (ODRA)

Prepared by Jay Fogelman (Chair) and Dana Vedder-Weiss (co-Chair)

The following report addresses the activities of the ODRA.

Meetings: As a committee, met briefly at NARST 2020 and discussed next steps.

Committee membership

The 2021 NARST Outstanding Doctoral Research Sub-Committee includes a Chair (Jay Fogelman, University of Rhode Island), a Co-Chair (Dana Vedder-Weiss, [Ben Gurion University of the Negev, Israel](#)) and 12 additional committee members charged to select the recipient of the 2021 NARST Outstanding Doctoral Research Award (see committee member list at the end of this report). The following activities occurred since our last Annual Meeting in accordance with NARST procedures:

Chair:

(20) Jay Fogelman (Co-chair), University of Rhode Island

co-Chair:

Dana Vedder-Weiss (Co-chair), [Ben Gurion University of the Negev, Israel](#)

Members:

(21) Patricia Bills	Northern Kentucky University
(21) Wendy Frazier	Houston Baptist University
(21) Eunjin Bahng	Iowa State University
(21) Ellen Granger	Florida State University
(21) Danielle Ferguson	American Institute for Research
(21) Devasmita Chakraverty	University of Virginia
(22) Jamie N. Mikeska	Student and Teacher Research Center ETS
(22) Dana Vedder Weiss	Ben Gurion University
(22) Lisa Borgerding	Kent State University
Dana Vedder-Weiss	Ben Gurion University of the Negev, Israel
Jay Fogelman	URI

Applications

Applications were submitted until August 31, 2020. Altogether 18 applications were submitted.

Process

The chair will send out assigned and blinded files and review forms for the first round of reviews to all sub-committee members on September 20, 2020. The committee member reviews are due on November 2, 2020.

Committee members will then be asked to review and rank the complete dissertations from the three top applicants emerging from the first stage after the complete dissertations have been received from the candidates, from which the final candidate for the award will be selected based on the results of committee members' reviews and rankings.

2020 OCTOBER BOD ELECTIONS COMMITTEE
REPORT PART A

The 2020-2021 Elections Committee included the following:

ELECTIONS COMMITTEE		
NAME	UNIVERSITY	e-mail
Co-Chairs:		
(21) Regina Suriel (lead)	Valdosta State University	
(22) Bridget Mulvey	Kent State University	
Members:		
(21) Ibrahim Delen	Usak University	
(22) Mary Atwater	University of Georgia	
(22) Nazan Bautista	Miami University	
(23) Melody Russell	Auburn University	
(22) Jeanna R. Wieselmann Graduate Student Coordinator	University of Minnesota	
Representative from Ethics and Equity		
(21) Justina Ogodo	Baylor University	
Representative from International		
(20) Jing Lin	Beijing Normal University, China	
Ex-Officio:		
(21) Alejandro Gallard (Board Liaison)	Georgia Southern University	
(21) Tali Tal (Past President)	Michigan State University	
Helen Schneider Lemay	Schneider Group	

Activities from March 2020 Annual Conference- October XX 2020

1. The 2020 Annual International Conference was canceled this year. As such, the Elections Committee did not meet.
2. During late spring and summer, Alejandro, Bridget and Regina were tasked with revising the NARST Handbook section for the Elections Committee. For a couple of weeks, we met online to discuss suggested changes. The main Handbook revisions included:

- a. Adjusting the language to indicate the separation of the Membership and Elections Committee.
 - b. Clarifications to the rubrics that guide the evaluation of nomination packets.
 - c. The addition of Graduate Student Coordinator information.
 - d. The updating of Election process letters with new information.
3. The Elections Committee is charged with making the call for nominations of vacant positions. This year's initial call for nominations closing on June 28, 2020 did not yield any nominations for the president-elect position. As such, the deadline to nominate president elect was extended to August 15, 2020.

3. Committee Virtual Meeting- September 22, 2020 (See Appendix A)

Date and Time of Session: September 22, 2020 5PM to 6 PM EST via Google Meets

Election members in attendance: Regina L. Suriel, Bridget Mulvey, Mary Atwater, Ibrahim Delen, Justina Ogodo, Jeanna Weiselmann, Alejandro Gallard, Jing Lin, Tali Tal, Nazan Bautista

General Reflection on Session: The committee met to discuss the slate of candidates. Members presented various motions to discuss and as such, they were addressed. Voting then took place, and as committee with decided to put forward the names of three President Elect nominees, six names for the Directors at Large position and two names for the Graduate Student position.

Possible Changes for Next Implementation:

There are no suggested changes for discussing the slate of candidates.

2020 OCTOBER BOD ELECTIONS COMMITTEE REPORT A Submitted by Board Liaison Alejandro Gallard and Co-chairs Regina Suriel and Bridget Mulvey October, 2020.

Appendix A – Committee Meeting Minutes

9.22.2020 Election Committee Meeting for Slate of Candidates

Election members in attendance: Regina L. Suriel, Bridget Mulvey, Mary Atwater, Ibrahim Delen, Justina Ogado, Jeanna Weisemann, Alejandro Gallard, Jing Lin, Tali Tal, Nazan Bautista

1. Review of Charge

- a. Charge: The Election Committee functions to recruit candidates to run for annual elected positions within NARST. The committee members also vet all nominees put forward prior to including them officially in the slate of annual candidates; The Elections Committee then makes a formal announcement to the NARST community at large of the slate of candidates running for open positions on the Board or on committees.

Committee discussion items:

The major topic of discussion at this year's committee meeting on slate of candidates centered around

- Discussions at the meeting centered on the number of candidates for the president elect position. A healthy discussion of pros and cons for each of the nominees took place. As a group, we voted and are putting forward the names of three nominees for the president-elect position.
- For the Director-at-Large positions, the tally from individual rankings were presented. The top six scorers were chosen to move forward to the slate and a voting among the members took place in agreement with the choices.
- There were only two nominees for the Graduate Student Coordinator, as such, both nominees were placed on the slate.

**EEC Activity Report March 2020 – September 2020
Part A**

Committee Roster

Name/Role/Term	Affiliation	Email
Board Liaison		
(22) Bhaskar Upadhyay	University of Minnesota	
Committee Leadership		
(21) Danielle Dani (Chair)	Ohio University	
(22) Justina Ogado (Co-chair)	Baylor University	
Members		
(21) Sara Raven	Texas A&M University	
(21) James Nyachwaya	North Dakota State University	
(21) Tara Nkrumah	Arizona State University	
(22) Seema Rivera	Clarkson University	
(22) April Holton	Arizona State University	
(22) María González-Howard (Secretary)	University of Texas, Austin	
(23) Paulette Vincent-Ruz	University of Pittsburgh	
Volunteers		
Maram Al Aqra		
Saiqa Azam		
Lillian Degand		
Henriette Burns		
Ying-Ting Chiu		
Stephanie Eldridge		
Henry Hane		
Jordan Henley		
Enrique Suarez		

EEC Subcommittees Membership

	Workshop	Basu Scholar Application and Selection	Symposia (Basu &)	Dinner
Chair	Danielle (21)	María (22)	Sara (21)	Tara (21)
Co-chair	Seema (22)	Justina (22)	Paulette (23)	James (21)
Subcommittee member(s)		Paulette (23)	Tara (21)	April (22)
		Lillian	James (21)	Henriette
	Saiqa		Maram	Stephanie
	Jordan	Enrique	Ying-Ting	
		Henry		
Blue: member; Green: volunteer				

- EEC Advisor to Elections Committee: Justina Ogado
- EEC Advisor to International Committee: Danielle Dani
- EEC Advisor to Membership Committee: Sara Raven

Committee Work

The EEC has met monthly, for 1.5 hours, since March 2020 for a total of four meetings. The committee breaks out into subcommittee meetings during this time based on need. Chair and subcommittee chairs have additionally met with the Board Liaison at least twice. We have also conducted much work through email and appreciate the open communication channels between Dr. Upadhyay and committee members. In what follows, we report the work that was completed by the committee as well as by its subcommittees.

NARST Board Request

- Reviewed and provided feedback, including edits, for the NARST Handbook's Equity and Ethics Committee Section

With the NARST EPRC

1. Reviewed and provided feedback to Remy Dou, chair of NARST EPRC about the NARST EPRC Draft procedural document for generating and drafting position/policy statements and briefs - intended to institutionalize the process while inviting the contribution of leaders from the Research, International, Equity & Ethics, and Publications Advisory Committees.
2. Reviewed and provided feedback to Remy Dou about the draft first position statement, "Equitable K-16 Science Education as a Right for All Students."

EEC Pre-conference Workshop

- The subcommittee developed an abstract and workshop focus that addresses the 2021 NARST conference theme.
- We identified and invited panelists for the workshop. Drs. Bianchini, Miles, Gupta, Morrison, and Cajete. Panelists have requested virtual participation. We determined that the 2020 workshop format (which was not implemented) will be used for the 2021 workshop.
- A proposal for the EEC Pre-conference Workshop was submitted per solicitation guidelines.

Symposia

- EEC Administrative Symposium
 - The subcommittee developed an abstract and focus aligned with NARST 2021 theme.
 - Presenters were identified and invited: Drs. Kahn, Watkins, and Marshall.
 - The proposal submitted by NARST Board Liaison.
- Basu Scholar Symposium
 - Basu scholars from the 2020, 2019, and 2018 cohorts (N=45) were invited to share their research at the 2021 poster symposium per scholarship terms.
 - 22 scholars will be potentially presenting at the NARST 2021 conference.
 - The Basu Symposium proposal was submitted by the Board Liaison.

Basu Scholarship

- Created a new timeline for solicitation and review of Basu Scholar applications. With input from NARST president, the revised timeline will be used this cycle.
- Provided feedback about the application, which is pending approval by the NARST Board.

- Facilitated communication between 2020 BASU scholars and Board Liaison with respect to refunds.
- Facilitated the solicitation for poster presentations for the Basu symposium and preparation of the Basu symposium proposal.

EEC Dinner

- The EEC Dinner subcommittee has participated in conversations with the NARST Governance Committee charged with determining whether and how the EEC Dinner and other events like it can be supported by the organization moving forward.
- Once the Board has made its decision, the subcommittee will initiate the work to identify a venue or a dissolution.

**October 2020 External Policy and Relations Committee (EPRC) Report
Part A**

Board Liaison: Senay Purzer, Purdue University(21)

Chair: Remy Dou, Florida International University (22)

Co-Chair: Deb Morrison, University of Washington (23)

POLICY SUBCOMMITTEE	
(23) Deb Morrison	University of Washington
(23) Peter Okebukola	
(23) Henriette Burns	Southern Illinois University Edwardsville
(Volunteer) Kristi Glassmeyer	
(Volunteer) Alex Bohn	Northern Virginia Community College

COLLABORATIONS AND CONFERENCES SUBCOMMITTEE	
(21) Sarah Carrier	North Carolina State University
(22) Eugene Judson	Arizona State University
(23) Durdane Bayram-Jacobs	Eindhoven University of Technology
(21) Stefanie Marshall	University of Minnesota - Twin Cities

Volunteers:

- Alex Bohn
- Kristi Glassmeyer

NARST Liaison to NSTA:

- Michael Bowen (2021)

Note about committee membership: EPRC includes 9 voting members appointed by the NARST President-elect and three additional members in ex officio capacities. Three voting members rotate out every year from their three years of service. The President, Executive Director, and the assigned Board

Director are non-voting members of the committee. NARST Liaison to NSTA is also expected to attend the committee meetings. <https://narst.org/leadership-team>

General Committee Updates

Activity 1: Remy Dou transitioned as Chair of EPRC¹ (Led by Stefanie Marshall, prior Co-Chair).

Activity 2: Identified EPRC Co-Chair (Deb Morrison).

Activity Reports

Collaborations and Conferences Sub-committee:

Activity 1: The EPRC administrative session proposal for NARST 2021 (Led by Stefanie Marshall).

Administrative session title: Beyond Policies and Statements: Towards Equity in STEM Education

Abstract: As statements and policies committed to equity are released, there has been much criticism on words not materializing into action. This session centers on the experiences of participating members of the Advancing Coherent and Equitable Systems of Science Education (ACESSE, or “access”) project. ACESSE brings together partners from educational research and practice to promote equity and coherence in science education. The project is based on a deep collaboration between the Council of State Science Supervisors, the [University of Washington](#), and the [University of Colorado Boulder](#). During the first part of the session, panelists will share their learnings in developing science/ STEM equity policies for their state/organization: challenges, lessons learned, and the current status of their enactment of said policies. During the second part of this session, panelists will reflect on the policy statement developed by the NARST EPRC committee entitled, *Equitable K-16 Science Education as a Right for All Students*. The third and final part of the session will be open for NARST members to provide constructive feedback on the policy statement developed by EPRC as we consider how we center and lead in supporting equitable STEM education globally. The session will be moderated by a researcher from the EPRC committee who is involved in past and ongoing ACESSE efforts.

Individuals who have agreed to participate as panelists:

- Maya Garcia, PI on ACESSE grant & Science Content Specialist, Colorado Department of Education
- André E. DeLeón, Education Programs Professional K-12 Science and Instructional Materials Standards and Instructional Support (SIS), Nevada Department of Education
- Jamie Ramage, STEM Education Specialist, Oregon Department of Education
- Phil Bell, PI on ACESSE grant & Professor, University of Washington

¹ Requires NARST website update.

Remy Dou, Florida International University, Presider
Deb Morrison, Learning Scientist on ACESSE grant, University of Washington, Moderator

Activity 2: Held synchronous and asynchronous discussions to drive the process of renewing and finalizing MOUs (Led by Stefanie Marshall and Board Liaison).

Activity 3: MOU Renewals (Led by Stefanie Marshall and Board Liaison).

- Signed and completed MOUs:
 - European Science Education Research Association (ESERA) in 2019
- Submitted for review:
 - Association of Science Education in Taiwan (ASET)
 - Korean Association for Science Education (KASE)
- MOUs that were renewed or in progress
 - National Science Teachers Association (NSTA) in 2020
 - Australasian Science Education Research Association (ASERA)
 - There were concerns raised by ASERA board members to ASERA President David Geelan. ASERA was provided a draft MOU that was modeled after past MOUs signed by affiliate organizations (as were other organizations). The only change in this draft was changing the renewal process to 5 years. ASERA will work on the MOU so that the document reflects their desired relationship. The C&C sub-committee of EPRC will then review the proposal as a sub-committee before it is presented to the board.
 - We have not been able to contact with an individual from East-Asian Association for Science Education (EASE) after several attempts (to the organization website and the listed president) and we would like guidance on further action.

Activity 4: Held asynchronous discussion regarding the development of two levels of affiliation (Led by Stefanie Marshall and Board Liaison).

Activity 5: Developed an [organizational spreadsheet](#) to track and document existing affiliation requests or agreements (Led by EPRC Chair, Stefanie Marshall and Board Liaison).

Policy Sub-committee:

Activity 1: Development of a procedures and general timeline document to guide the initiation, creation, refinement, and retirement of policy statements and briefs (Led by EPRC Chair).

- Shared initial procedural document with EPRC members for internal feedback.
- Held Zoom meetings (2) to discuss historical and potential initiatives for the development of NARST policy statements and briefs.
- Shared document with NARST standing committee leaders for feedback (feedback received).
- Incorporated feedback.

- Finalized procedural document ([found here](#))².

Activity 2: Finalization and internal approval of position statement and brief, "[Equitable Science Education as a Right for All Students](#)" (Led by EPRC Chair).

- Shared initial position statement and brief draft with leaders of NARST standing committees.
- Incorporated feedback.
- Held Zoom meetings (see above) to entertain final discussions around draft of position statement and brief; secured internal EPRC approval of position statement and brief.
- Held discussion with Board Liaison regarding NARST member input.
- Coordinated with C&C subcommittee to hold pre-conference workshop to secure additional input from the broader NARST membership.

Activity 3: Provided feedback and edits to the NARST Handbook (Led by Board Liaison).

- Developed a subcommittee "role statement" to include in the Handbook.

Activity 4: Furthered the development of an [EPRC Handbook](#) (Led by Stefanie Marshall).

² Requires Board approval.

**Memorandum of Understanding between The Association of Science Education in
Taiwan R.O.C. (ASET)
and
NARST: A Worldwide Organization for Improving Science Teaching and
Learning through Research
(formerly National Association for Research in Science Teaching)**

This Agreement is between NARST: A Worldwide Organization for Improving Science Teaching and Learning through Research (formerly National Association for Research in Science Teaching), located at 11130 Sunrise Valley Drive, Suite 350, Reston, VA 20190, USA (hereinafter referred to as "NARST"), and The Association of Science Education in Taiwan R.O.C. (ASET), a non-profit organization located at no. 88, Ting-Jou Rd., sec. 4, Taipei, Taiwan and with the website: <http://www.ase.org.tw/> (hereinafter referred to as the "Affiliate").

In furtherance of their mutual interests in science education and research, and as a contribution to promoting increased international cooperation, NARST and ASET have approved the following Memorandum of Understanding (MOU). This MOU is based on the principles of mutual respect and the desire that both parties will gain benefits from their relationship as a result of a shared desire to enhance academic cooperation, research, and to maintain friendly relationships.

The overarching purpose of this affiliation is to specify aspects of the relationship that will further these goals.

The Affiliate agrees to the terms of the Affiliation Agreement signed by NARST and also agrees to the terms specified in NARST's Affiliation Policy. This includes but is not limited to:

- Maintain open communication about relevant activities and events,
- Appoint a representative of the Affiliate to serve as the designated liaison to NARST,
- Support the attendance of the designated representative at the NARST Annual Affiliates meeting,
- Submit a report of the Affiliation every two years,
- Inform relevant leadership about changes in constitutions or bylaws relevant to affiliation policy,
- Declare any potential conflicts of interest as they arise, and remediate them where appropriate, thus abiding by any policies or statements regarding conflicts

of interest.

The parties also agree to the following additional terms with regard to expectations for representation:

- The Affiliate will be welcomed to submit a special symposium at the NARST annual meeting for consideration.
- NARST will be welcomed to submit a special symposium at the ASET annual meeting by a member of the NARST presidential team or a designee for consideration.

The parties also agree to the following additional terms with regard to expectations for communication:

- ASET will post to NARST announcements of meetings and events and will link to NARST website,
- NARST will post on the Affiliate's website announcements of meetings and events and will link to ASET website,
- NARST will link to ASET's website as an affiliate, and ASET will link to NARST's website.

The MOU will be reviewed by both parties every five years, and is renewable by mutual consent. It may be terminated by sixty days written notice by either party.

IN WITNESS WHEREOF, the parties execute this Memorandum of Understanding as of the date indicated.


2020/09/08

**NARST: A Worldwide Organization
for Improving Science Teaching and
Learning through Research**

President, NARST

(date)

**Association of Science
Education
in Taiwan, R.O.C.**

President, ASET

(date)

**NARST Position Statement Development:
Procedures for the EPRC**

*Procedures drafted by the External Policy and Relations Committee
2019-2020*

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Operational definitions:

- a. Position Statement: Here we operationalize the term “position statement” as a clause or set of clauses that summarize a particular stance or perspective regarding an issue relevant to the NARST membership.
- b. Position Brief (or Brief; or Policy Brief): Here we operationalize these terms as a set of arguments that support a position statement and/or a set of recommendations that address the stance or perspective laid out in the position statement.
- c. Membership (or members): Reference to NARST members

Proposed Timeline Overview of the Processes for Developing Position Statement(s) and Brief(s):

Item	Year 1	Year 2	Year 3
Identify and propose the development of new position statement(s) and brief(s)	Start: Week prior to Annual Conference End: Summer		
Development of position statement(s) and brief(s)	Start: Early September	End: January	
Gathering feedback on drafts of the position statement(s) and brief(s) from the <u>NARST leadership</u>		Start: Early February End: Annual Conference	
Gathering feedback on drafts of the position statement(s) and brief(s) from the <u>NARST membership</u>		Start: April End: November	
Publish position statement(s) and brief(s)			Week prior to Annual Conference

Proposed Procedures for the Development and Revision of NARST Position Statements and Briefs:

(facilitated by the EPRC - Policy Subcommittee Chair)

Procedures for the Identification and Proposal of A Position Statement

Table 1. Procedures and timeline for identifying and proposing the development of position statements and briefs.

Item	Task description	Due date
1	The policy subcommittee will solicit input from the membership through a survey distributed through the NARST listserv (with approval from the Board) or through other means of gathering input. This input will focus on gathering potential position statements or topics that can be written into position statements and briefs.	Week prior to Annual Conference (<i>est.</i> end of March)
2	The policy subcommittee reviews survey results gathered from membership and otherwise solicited (or unsolicited) suggestions from NARST members for new position statements or topics.	April
3	With input from committee members and Board Liaison, the EPRC Chair and policy subcommittee Chair identify position statement(s) or topic(s) to develop.	June
4	The list of selected position statements or topics is presented to the NARST Board by the Board Liaison.	Summer

Procedures for the Development of Position Statement(s) and Brief(s)

Table 2. Procedures and timeline for developing position statement(s) and brief(s).

Item	Task description	Due date
1	<p>Individual members of the policy subcommittee volunteer as writers for the development of position statement(s) and briefs. The individuals drafting position statement(s) and brief(s) will be referred to as the “drafting group”. Note: the product(s) of the drafting group is not final. The final version will include the input of NARST leadership.</p> <ul style="list-style-type: none"> a. The drafting group will have one lead writer who volunteers and is elected by the policy subcommittee Chair in consultation with the EPRC Chair. In the event that a lead writer is not identified, the policy sub-committee Chair will serve as lead writer. b. A maximum of 4 people can join the drafting group. c. The composition of the drafting group will prioritize members of the EPRC, though members of other committees may volunteer. 	Early September
2	The drafting group meets to decide on and implement a writing plan within the expected timeline.	Late September
2	Draft(s) of position statement(s) and brief(s) are shared electronically (e.g., Google Drive, E-mail) with the rest of the policy subcommittee.	November
3	The subcommittee meets virtually or in person to discuss draft(s) and finalize language.	Late November
4	The drafting group incorporates suggestions and changes, and presents modified draft(s) to the policy subcommittee.	Early December
5	Policy subcommittee Chair shares modified draft(s) with the EPRC Chair and board Liaison.	January

Procedures for gathering NARST Leadership feedback on Drafts of Position Statement(s) and Brief(s)

Table 3. Procedures and timeline for gathering feedback on drafts of position statement(s) and brief(s) from the NARST leadership

Item	Task description	Due date
1	EPRC Chair shares the modified draft(s) with the full committee electronically and schedules virtual or in-person meetings to discuss position statement draft(s).	Early February
2	Recommendations from the full committee are incorporated by volunteer drafters. Final draft is shared with the full committee.	Late February
2	EPRC Chair shares final draft with the Chairs of the Equity & Ethics Committee, International Committee, Research Committee, and Publications Advisory Committee, and requests electronic feedback.	Early March
3	Recommendations are incorporated by the EPRC Chair and/or drafting group.	Week prior to Annual Conference (est. end of March)
4	Position statement(s) are shared with the Board for commenting prior to member commenting with a MOTION to start member commenting and lawyers to review.	Annual Conference Meeting

Procedures for NARST Member Commenting

Table 4. Procedures and timeline for gathering feedback on drafts of position statement(s) and brief(s) from the NARST membership

Item	Task description	Due date
1	The EPRC Chair will work with the Chair of the Website Committee to determine how to best solicit comments from NARST membership. If necessary, input from the Chair of the PAC will be solicited. An electronic survey will be developed by the EPRC Chair and policy subcommittee Chair.	April
2	Comments will be compiled by the policy subcommittee Chair .	June
2	Modifications based on NARST members' commenting are made by the drafting group and reviewed by the EPRC Chair.	September
3	Final statement(s) and brief(s) presented to the Board with a MOTION for approval to publish.	October
4	Final statement(s) and brief(s) presented to the Executive Director and lawyers for final sign-off.	November

Procedures for Publishing & Disseminating

Table 5. Procedures and timeline publishing and disseminating positions statement(s) and brief(s).

Item	Task description	Due date
1	The EPRC Chair will work with the Chair of the Website Committee and the Chair of the PAC to publish the position statement(s) and brief(s).	Week prior to Annual Conference (est. end of March)

Procedures for Revisions and Retirement

Table 6. Procedures and timeline revisions and retirement of positions statement(s) and brief(s).

Item	Task description	Due date
1	<p>Statements will be reviewed by the EPRC at least once every 2 years from the date of publication or sooner as needed. Changes, revisions, or removals will be presented to the Board for approval.</p> <p><i>Note: Policy statements may be updated or removed as needed by subsequent statements of the NARST Board.</i></p>	Once every 2 years

Procedures for Emergent/Issue Topics

Table 7. Procedures for drafting statements on emergent or timely issues that require prompt action.

Item	Task description	Due date
1	The EPRC Chair may contact the NARST Board (or vice versa) to initiate drafting statements on emergent or timely issues that require prompt action.	TBD
2	The EPRC Chair will work with the policy subcommittee Chair to draft a statement	TBD
3	The statement will be forwarded to the Board for approval	TBD
4	The EPRC Chair will work with the Chair of the Website Committee and the Chair of the PAC (if relevant) to publish the statement	TBD

Appendix I: Resources

(Also see [NSTA Position Statement Procedure](#))

- [NSTA Position Statements Development and Revisions Guidelines](#)
- [NSTA Policy Statements](#)
- [AERA Policy Statement Development and Revisions Guidelines](#)
- [AERA Policy Statements](#)

Revised 09/29/2020

Appendix II: Sample Statement and Brief

[Follow Link](#)

Appendix III: Historical Overview

Steps we took to come up with position statement topics and draft:

1. Internal discussion with the policy sub-committee, EPRC Chair, and EPRC liaison (2017 - *Present*; see [Notes](#)). Summary: The EPRC, EPRC Chair, and EPRC liaison noted the role of the EPRC in developing position statements and briefs, voiced their overwhelming support in favor of advancing their development, and outlined a starting plan to do so.
2. The EPRC first put together and examined a collection of [sample position statements](#) from science and science education organizations, as well as policy-centered organizations (2017)
3. Gathered ideas from policy subcommittee members, focusing on individuals with relevant experience (2017)
4. Based on discussions informed by prior investigation, the policy subcommittee chair, EPRC Chair, and EPRC liaison developed a [survey](#) to gauge NARST membership reaction to position statement topics identified within the policy subcommittee, gather additional topics, and membership interest in drafting position statements. (2017)
5. Revised survey internally and shared with the Board (2018)
6. Administered survey (digitally) to NARST membership and [summarized responses](#) (2018)
7. Held internal meetings to [discuss survey results](#) (2018)
8. Selected a position statement topic to develop into a position brief (2018)
9. Held internal meetings to draft, edit, and enhance [first position statement](#) and brief (2019)
10. Shared draft of position statement and brief with rest of EPRC, ethics committee, and representatives from the international membership (2019)
11. Implemented changes suggested by reviewers (2019)
12. EPRC liaison shared position statement and brief with the Board
13. Feedback from the Board included sharing position statement and brief with Chairs of relevant committees, but more importantly, develop a procedural document for the identification and creation of position statements and briefs.
14. Developed a procedural document for the identification and creation of position statements and briefs.

Steps still to take:

15. Present the draft of the procedural document to the Board
16. Present final statement and brief to the Board
17. Present final statement to Executive Director and lawyers for final approval
18. Decide on a dissemination plan (e.g., website)
19. Select and develop new statements

AFFILIATION AGREEMENT

This Agreement is by and between the National Science Teaching Association ("NSTA"), a 501(c)(3) non-profit organization located at 1840 Wilson Blvd, Arlington Virginia, 22201 and the National Association for Research in Science Teaching ("NARST"), a 501(c)(3) non-profit organization located at 12100 Sunset Hills Road, Suite 130, Reston, VA 20190-3221, USA ("Affiliate").

WHEREAS, NSTA desires to establish affiliated relationships with organizations dedicated to science education, to encourage cooperative meetings, projects, and initiatives and to promote excellence and innovation in science teaching and learning for all; and

WHEREAS, Affiliate desires to become affiliated with NSTA under the terms and conditions of this Agreement and as outlined in the Memorandum of Understanding (Attachment A);

NOW THEREFORE, the parties hereto agree to the following:

1. The relationship between NSTA and Affiliate, including the requirements for affiliation, shall be governed by the terms and conditions of this Agreement and the "Affiliation with NSTA Guidelines" (the "Guidelines"), NSTA Leadership Manual and NSTA Operating Policies, which are incorporated by reference and made a part of this Agreement. The Guidelines, Leadership Manual and Operating Policies may be modified, amended or changed by NSTA from time-to-time at its discretion. In such instance, Affiliate will be notified of any such modifications, amendments or changes which shall be effective as of the date of notification.
2. NSTA and Affiliate are not and shall not be considered joint venturers, partners, legal representatives or agents of each other. At no time shall either party act or represent itself to be acting in any of these capacities under this Agreement. Neither NSTA nor Affiliate shall have the right to or power to bind or obligate the other party in any manner and shall not make or represent that it has power to make any contract, agreement, representation, warranty or obligation, express or implied, on behalf of the other party.
3. Neither NSTA nor Affiliate shall be liable for any act, error, omission, debt or other liability or obligation of the other party unless specifically consented to in writing. The parties agree to indemnify, defend and hold each other harmless from any and all claims, liabilities, damages, judgments, settlements and costs, including reasonable attorney's fees and costs, arising out of or relating to their respective negligent acts or omissions or willful misconduct.
4. Affiliate shall comply with all applicable laws including but not limited to corporate and tax laws and shall keep current its legal status and all licenses.

5. Intellectual property owned by a party prior to entering into this Agreement, including copyrights and trademarks, shall remain the exclusive property of that party which shall retain all rights thereto. Use of such intellectual property is subject to approval by the owner. During the term of this Agreement, the parties may state and represent, including on printed materials and their respective websites, that Affiliate is an affiliated organization of NSTA.

6. It is understood that the parties may enter into additional agreements regarding the conducting of symposiums, meetings and other activities and events, and for the production of educational, promotional, and membership publications and materials and related matters (collectively, "Events and Activities"). The terms of such agreements, including responsibility for planning, conducting, advertising and promoting such Events and Activities, ownership of intellectual property rights and costs and risk sharing, shall be subject to negotiation and the mutual agreement of the parties.

7. Subject to the termination rights set forth in paragraph 8, this Agreement shall be in effect for a period of three (3) years from the date of signing by both parties, and may be renewed for additional one year terms by written agreement of the parties. Upon termination of this Agreement, the parties shall cease representing or claiming that Affiliate is an affiliated organization of NSTA. The term "Agreement" as used herein shall include any renewal agreement, as applicable.

8. Notwithstanding anything to the contrary, this Agreement, may be terminated by either party at any time upon: (i) mutual agreement of the parties; (ii) disaffiliation of Affiliate under the procedures specified in the Guidelines; (iii) insolvency or filing for bankruptcy of either party; or (iv) material breach of this Agreement provided that the non-breaching party provides notice of the basis for termination and affords the other party a reasonable opportunity, not to exceed thirty days, to cure the breach.

9. The parties may share membership and other confidential or propriety information ("Confidential Information") with the other party during the term of this Agreement. The parties agree (i) to use such Confidential Information only as provided under this Agreement and during its term, (ii) not to permit any unauthorized use of the Confidential Information, and (iii) upon termination of this Agreement, to return all Confidential Information belonging to the other party and/or remove such information from its files.

10. If any provision of this Agreement is determined to be unenforceable or invalid under any applicable statute or rule of law, the remaining provisions of the Agreement shall not be affected and shall remain in full force and effect.

11. A waiver of any term, provision or condition of this Agreement shall not be deemed a continuing waiver of any such term, provision or condition. No waiver shall be valid or binding unless agreed to in writing and signed by NSTA and Affiliate.

12. This Agreement shall be binding upon and shall inure to the benefit of the parties and each of their respective successors and permitted assigns, provided that neither party may assign any right or obligation under this Agreement without the other party's prior written consent.

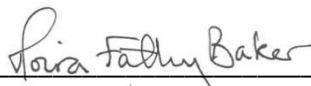
13. Any notice or other communications required or otherwise sent or given pursuant to this Agreement shall be in writing, signed by the sending party, and shall be deemed to be sufficient if delivered personally, by facsimile transmission with appropriate confirmation, by certified mail with return receipt, or by recognized express courier to the parties at the addresses listed in this Agreement (or at such other address for a party as shall be specified by like notice).

14. This Agreement shall be governed exclusively by and construed in accordance with the laws of Virginia without giving effect to its conflicts of law rules. Any dispute, claim or controversy arising out of or in any way related to this Agreement shall be submitted for resolution before, and each party expressly consents to the exclusive jurisdiction and venue of the United States District Court for the Eastern District of Virginia or the Circuit Court for Arlington County, Virginia. Any judgment thereon may be entered or otherwise enforced in any court of competent jurisdiction.

15. The person executing this Agreement hereby declares, represents, warrants and agrees that he or she is duly and fully authorized to execute this Agreement so as to legally bind the named party.

16. The parties agree that this Agreement and the aforementioned Memorandum of Understanding represents the entire contract between the parties and represents their full and complete understanding. All prior agreements, negotiations, understandings, communications, oral or written, have no force and effect except as embodied herein. This Agreement may not be modified except in writing and signed by both parties.

IN WITNESS WHEREOF, the parties have executed this Agreement as of the date indicated.



Moira Fathy Baker
Interim Executive Director
National Science Teaching Association

Helen Schneider Lemay
Executive Director
Affiliate Name

September 10, 2020

Date

ATTACHMENT A

Memorandum of Understanding for Affiliation Between the National Association for Research in Science Teaching and the National Science Teaching Association (NSTA)

This Agreement is between the National Association for Research in Science Teaching ("NARST"), a non-profit organization located at 12100 Sunset Hills Road, Suite 130, Reston, VA 20190-3221, USA, and the National Science Teachers Association (NSTA), a non-profit organization located at 1840 Wilson Blvd, Arlington, VA 22201 ("Affiliate").

WHEREAS, both parties desire to become affiliated with each other under the terms and conditions of this Agreement with the overarching purpose of this affiliation being to promote cooperation between NSTA and NARST for the benefit of improving the teaching and learning of science.

NARST agrees to the terms of the Affiliation Agreement signed by NARST and the Affiliate. The Affiliate also agrees to the terms specified in the NARST Affiliation Policy. This includes but is not limited to the Affiliate agreeing to:

- appoint a representative of the NSTA Board of Directors, the NSTA Research Division Director, to serve as the designated liaison to NARST and to serve as an ex-officio member of the NARST board.
- submit a report of the Affiliation every two years.
- inform relevant leadership about changes in constitutions or bylaws.
- maintain open communication about relevant activities and events.
- abide by policies or statements regarding conflicts of interest.

The parties also agree to the following additional terms with regard to expectations for **representation**:

- The NSTA Research Division Director will attend NARST board meetings and other appropriate meetings such as the External Policy and Relations committee, as a non-voting member. These meetings are held in October and at the NARST Annual International Conference, typically in March or April. NARST will support the NSTA Research Division Director at the October Board Meeting.
- NARST will appoint a representative ("NARST Liaison to NSTA") to the NSTA Alliance of Affiliates (AoA) for a 3-year term. The representative will attend the summer AoA meeting and be supported by the NSTA. The representative will fulfill AoA responsibilities such as participation in monthly conference call meetings.
- NARST will comply with the expectations outlined in the NSTA Alliance of Affiliates agreement.

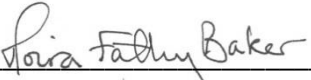
The parties also agree to the following additional terms with regard to expectations for **participation**:

- The NSTA will advertise its call for nominations for the NSTA Research Division Director so that NARST members are aware of the call and encouraged to apply for the position
- NARST may, when invited, assist with NSTA's Research Dissemination Conference.

The parties also agree to the following additional terms with regard to expectations for communication:

- NARST may offer to NSTA criteria for what a quality candidate would be for the NSTA Research Division Director and offer feedback regarding how well potential candidates for the position meet those criteria.
- The NSTA will help promote relevant NARST activities to NSTA membership.
- NARST will help promote relevant NSTA activities to NARST membership.
- NARST will link to NSTA's website as an affiliate, and NSTA will link to NARST's website.
- The NSTA will provide NARST 2 hours of time at each area conference and 10 hours of time at the national conference for NARST presentations.
- NARST will provide the equivalent of one concurrent session of programming at their NARST Annual International Conference for NSTA.

IN WITNESS WHEREOF, the parties have executed this Memorandum of Understanding as of the date indicated.



Moira Fathy Baker
Interim Executive Director
National Science Teaching Association

Helen Schneider Lemay
Executive Director
National Association for Research in
Science
Teaching

September 10, 2020

Date

2020 October BOD Executive Committee Report

Part A

Report Period: after March 2020 Board meeting to October 2020 Board meeting

As stated in the NARST Policies and Procedures, “the purpose of this Committee is to serve as the NARST Board’s think tank and as a forum for conversation and discussions. The Executive Committee will consist of the President, President-elect, and Immediate Past President.”

Activity Report

The Executive Committee met five times with guests attending a few of the meetings. The Committee discussed the following:

- Agenda items for summer Board meeting
- Membership categories and fees
- Existence of 2 Logos and Timelines
- Handbook royalty proposal
- Demographic elicitation on membership form
- Scholarship Committee Fund (administrative action taken to eliminate option on donation list and move funds to Graduate Student Fund because Past President indicated fund was established in 2010 to support graduate students)
- NARST spotlight initiative (referred to Publications Advisory Committee)
- Reporting of Executive Director salary (administrative action to move in accounting from Board expenses to Administrative/ Management expenses)
- 2020 NARST Membership meeting
- Executive Director to investigate agreements for LSEP and Abell Institution and stipulations related to COVID and develop such agreements, if applicants and selected candidates occur this year
- Handbook revision status
- NARST Policies and Procedures status
- Hilton Orlando for 2021 Conference Update
- NARST website single sign-on

**Finance Committee Report –
Part A
Jerome Shaw**

At the March 2020 BOD meeting the decision was made to have the Finance Committee meet quarterly for the immediate future - this is a new arrangement. This decision was made to address the numerous and varied monetary issues related to the cancellation of the 2020 annual conference, as well as to prepare financially for fiscal operations going forward (such as the 2021 annual conference). Financial Reports from the prior fiscal quarter are a core agenda item for each meeting. These meetings are chaired by the NARST Secretary-Treasurer.

Finance Committee members include the President (Eileen Parsons), Immediate Past President (Tali Tal), Secretary-Treasurer (Jerome Shaw), Executive Director (Helen Schneider Lemay), and representatives from Virtual, NARST's management company (e.g., Tom Pappas, Margaret Bauman, Julie Utano).

Below are highlights from the two meetings held during this reporting period.

FINANCE COMMITTEE MEETING MAY 8, 2020

The committee decided on the following meeting schedule:

- Q1 (January-March): meet in April or May
- Q2 (April-June): meet in July or August
- Q3 (July-September): meet in October prior to the Fall BOD meeting
- Q4 (October-December): meet in January or February

Review of the **2020 Q1 NARST Financial Report** showed that, overall, NARST has come out about the same place as if we had held the conference. For example, NARST's net worth at this time last year (2019) was \$1,856,342 while the 2020 Q1 net worth is \$1,764,451. Right now, NARST has 9.62 months of operating funds using the end of March available cash (\$739,285).

ACTION ITEM: Tom and Margaret will work on creating a Cash Forecast for the rest of this year and will present this to Jerome and Helen prior to the Q2 call.

ACTION ITEM: Helen will explain the RIGs/Scholarships to Virtual team so that we understand allowable expenses.

ACTION ITEM: Virtual will create a one-page Board Report that the Treasurer can present to the board.

FINANCE COMMITTEE MEETING AUGUST 7, 2020

The committee reviewed the action items from the previous meeting. All are up to date.

New Additions in the 2020 Q2 Financial Report:

Cash Flow Projection. This report depicts what went into the bank, what left the bank and what your balance is and the estimated projection for the remainder of the year using placeholders based upon what we think will come in. Areas covered in this report include cash receipts, cash disbursements and cash balance. If no new funds come in, there are enough funds for 11 months of operations. In terms of our annual balance, it is projected that we will end up in a similar place where we were last year.

Actual Annual Cash Receipt Balance for 2019 = \$748,895

Projected Annual Cash Receipt Balance for 2020 = \$765,036

Board Summary. This report gives two additional past years for comparative purposes, allowing one to see 2017-2020 trends. The report highlights revenue and expenses for key categories. It was interesting to note that while NARST had to cancel and refund registrations for the annual conference, due to reductions in travel NARST has saved funds.

Review of the **2020 Q2 NARST Financial Report** showed that NARST is in good shape financially - we are not carrying debt and have healthy reserves (e.g., total \$1,865,288 in cash and investments as of June 30, 2020 - for comparison, the total was \$1,855,077 on June 30, 2019). NARST has weathered the COVID crisis well thus far.

Revenue is going down as it is related to royalties, membership, and conference registrations. Regarding this reality, the following activities are already underway:

- There is a NARST Working Group that is focusing on revenue generation
- Both the Website and Membership Committees are looking at ways to increase member engagement (and thus sustain or potentially increase revenue from membership dues)

ACTION ITEM: Margaret will develop a 5-10 year cash flow projection.

ACTION ITEM: At the October NARST Finance Committee meeting, Virtual will present new options to switch Merchant Accounts (credit card processor) and to establish a relationship with Money Corps to save costs of international wiring.

2020 October BOD Governance Committee Report Part A

Report Period: after March 2020 Board meeting to October 2020 Board meeting

The Governance Committee is a Board Committee. As stated in the NARST Policies and Procedures, “the purpose of the Governance Committee is to advise the Board about the people, structure, guidelines, and resources to accomplish the NARST mission. The charge of the committee will be as follows: (a) to further investigate policy and procedure related to the organizational issues deemed important by the Board and (b) to develop recommendations and/or action plans for the Board’s deliberation and vote. The committee composition includes the Immediate Past President (Chair); the Secretary-Treasurer; the Board Directors affiliated with the Membership Committee, Equity and Ethics Committee, and Research Committee, and the International Coordinator.”

Current Governance Committee Members

Tali Tal, Immediate Past President (Chair)

Jerome Shaw, Secretary-Treasurer

Brooke Whitworth (acting Chair for the task featured in this Board Report due to Chair’s circumstances)

Bhaskar Upadhyay, Board Liaison for Equity and Ethics Committee

Jennifer Adams, Board Liaison for Research Committee

Sonya Martin, International Coordinator

Activity Report

Following the July 2020 meeting of the Board, Eileen Parsons, NARST President, issued the following charges by way of email to the Governance Committee on July 13, 2020:

Topic #1: The Board voted for the Equity and Ethics Committee dinner to continue as is with the understanding that it is a NARST function for which NARST is liable. The liabilities for which the Board are aware include tensions among the NARST membership around the event (e.g., lack of clarity about the no refund policy, an event for a certain group), expenses not covered by the event registrants/attendees’ fees, and compensation related to litigated injuries.

Charge 1: Please detail actions and any necessary procedures to mitigate the identified liabilities. If other liabilities are identified, then please address accordingly.

Topic #2: Other communities within NARST would like to hold similar events as official events of NARST (e.g., advertised in program, unpaid expenses covered by NARST).

Charge 2: Please develop a policy and subsequent procedures related to off-site events at the NARST conference. The policy should be as comprehensive as possible and procedures in as much detail as possible to address logistics. Such logistics include questions like: Should there be an application process? If so, what would be required in the application? What criteria would be necessary to determine approval or not? What would be the timeline for the application and decisions and who would review and evaluate the applications? Would other off-site events follow the Equity and Ethics model (e.g., event on conference registration form, contracts signed by Executive Director).

The Governance Committee engaged the following to address the charges. The Committee gathered initial ideas and thoughts via Google Doc sharing. The Committee then met via Zoom to discuss the policy and the application. Details were fleshed out and a tentative outline was drafted. Those who could not attend were given one week to comment on the notes from the meeting. A draft of the policy

and application was then developed by the Acting Chair and shared for comment to the whole Committee. Committee members had a week to edit and add comments. These initial edits and comments evidenced consensus about the documents drafted so an additional meeting was not scheduled. Edits were incorporated and drafts were shared with the President for comment before final edits were addressed in the final drafts of the documents.

**October 2020 Graduate Student Committee Report
Part A**

Graduate Student Coordinator (Chair and Board Member): Christa Haverly (21)

Co-Chairs: Theila Smith (21) and Jordan Henley (22)

Members:

Graduate Student Forum Sub-Committee:

- Harini Krishnan (21)
- Preethi Titu (21)
- Theila Smith (21)

Research Symposium Sub-Committee:

- Kathryn E. Green (21)
- Melanie Kinskey (21)
- Tim Klavon (22)

Communications and Networking Sub-Committee

- Star Sharp (21)
- Jordan Henley (22)
- Tim Klavon (22)
- Henry Mehan (22)

Scholarship and Awards Sub-Committee

- Harini Krishnan (21)
- Preethi Titu (21)
- Theila Smith (21)

Additional Volunteers:

- Amber Bismack, Michigan State University (Scholarship and Awards Sub-Committee)
- Ayca Fackler, University of Georgia (Research Symposium Sub-Committee)
- Lindsay Lightner, Washington State University (Research Symposium Sub-Committee)
- Liron Schwartz, Technion - Israel Institute of Technology (Graduate Student Forum Sub-Committee)
- Jennifer Tripp, University at Buffalo (Scholarship and Awards Sub-Committee)
- Sule Aksoy, Syracuse University (Graduate Student Forum Sub-Committee)
- Jessica Karch, University of Massachusetts (Research Symposium Sub-Committee)
- Ti'Era Worlsey, University of North Carolina, Greensboro (Communications and Networking & Graduate Student Forum Sub-Committees)
- Chelsea Sexon, University of Georgia (Research Symposium Sub-Committee)
- Jose Pavez, University of Georgia (Communications and Networking Sub-Committee)
- Elgin Leary, University of Georgia (Communications and Networking Sub-Committee)
- Andrea Reeder, Middle Tennessee State (Communications and Networking Sub-Committee)
- Ryan Dunk, Syracuse University (Communications and Networking Sub-Committee)
- Mohammed Estaiteyeh, Western University - Ontario, Canada (Communications and Networking & Graduate Student Forum Sub-Committees)
- Claudia Hagan, Georgia State University (Communications and Networking Sub-Committee)

- Kludja Caushi, University of Massachusetts Boston, (Communications and Networking & Research Symposium Sub-Committees)
- Samantha Ringl, University of Kentucky (Graduate Student Forum Sub-Committee)
- Daniel Pimentel, Stanford University (Scholarship and Awards Sub-Committee)

Updates:

Full Committee - Chair: Christa Haverly

- We held one full committee meeting in March 2020.
 - Agenda:
 - Welcome to new committee members
 - Committee key accomplishments 2019-2020
 - Sub-committee updates, alternative conference plans, ideas for next year
 - Areas for growth
 - Plans for the cancelled conference
 - Plans for co-chairs selections
 - Maternity leave plan
 - Sub-committee planning timeline
 - Other goals for 2020-2021
- We held a full committee meeting in July 2020 to review meeting updates and plan upcoming tasks.
 - Agenda:
 - Welcome committee members
 - Updated all members on each subcommittee's achievements and plans from the period of April-July 2020
 - Reviewed the Sub-Committee Planning Timeline of preparations to and deadlines to meet for the 2021 conference in Orlando, FL
 - Discussed having the GSC webinars under the Forum subcommittee's portfolio instead of the Communications and Networking subcommittee
 - Planned for the nature of the webinars to be more professional development oriented for graduate students
 - Discussed and planned for the deadlines that sub-committees' planning timeline before the fall 2020 general meeting

Research Symposium Sub-Committee - Chair: Christa Haverly

- We held one Research Symposium Sub-committee meeting in September 2020
 - Agenda
 - Alternative ideas for structuring the event
 - Administrative session description
 - Timeline

Graduate Student Forum Sub-Committee - Chair: Theila Smith

- We held two Forum sub-committee meetings in Winter 2020
 - Agenda for Meeting 1
 - Review feedback from participants and facilitators from 2019 Forum
 - Update list of roundtable topics
 - Brainstorm facilitators for roundtables and divide up contacts

- Agenda for Meeting 2
 - Finalize roundtable facilitators
 - Plan handouts for each roundtable
 - Plan interviews for NARST website
 - Event logistics
- We held four Forum sub-committee meetings in Spring 2020 to plan for the first GSC Webinar (initially called Zoom Chats) that was held on June 16, 12-1 pm EST. Presenters were Dr Tina Cheuk, Dr Katie Schenkel and Dr Jonathan Thomas.
 - Agenda for Meeting 1, April 2020
 - Welcome members and volunteers
 - Overview of subcommittee's work for member volunteers
 - Reviewed feedback from the Interest Survey that was sent to graduate students. The purpose of the was to gauge graduate students' interest in topics and willingness to participate in the zoom chats.
 - Discussed topic to lead with, timeline and planning for the webinar
 - Discussed and finalized on hosting two webinars for the year: summer and fall
 - Brainstormed and finalized facilitators for the webinar
 - Brainstormed the structure of the webinar
 - Planned and discussed tasks to accomplish for the follow-up meeting
 - Agreed on biweekly meetings to plan event
 - Agenda for Meeting 2, May 2020
 - Drafted email with details of the webinar and Doodle poll to send to presenters
 - Planned structure of the webinar
 - Brainstormed questions for attendees
 - Discussed using handouts for each roundtable
 - Discussed and assigned roles and responsibilities for each member
 - Discussed tasks to accomplish before the next meeting
 - Agenda for Meeting 3, May 2020
 - Finalized date for webinar, June 16, 12 - 1 pm EST
 - Re-formatted the structure of the webinar
 - Reviewed and edited materials for the webinar
 - Planned the logistics of the meeting
 - Did a run through with Zoom
 - Decided to meet for another logistical meeting
 - Agenda for Meeting 4, June 2020
 - Reverted to old structure of the webinar
 - Event logistics

Communications & Networking Sub-Committee - Chair: Jordan Henley

- We held one communications and networking sub-committee meeting in Summer 2020
 - Agenda
 - Discussion and updates of ongoing initiatives
 - Writing groups
 - Discussion boards

- Report on progress by Ti'Era Wosley
- 2021 Social and Collaborative Speed Dating
 - Plan for two surveys to be sent out to organize the speed dating/networking event
- Newsletter
 - Will produce 3/year: 1 pre-NARST submission, 1 pre-conference, & 1 post-conference
- Webinar
 - Suggested webinars be moved to the forums subcommittee
- Fall meeting scheduled for late September 2020

Graduate Student Scholarship and Awards Sub-Committee - Chair: Theila Smith

- We held a Scholarship sub-committee meeting in September 2020
 - Agenda for Meeting
 - Welcomed new volunteer member
 - Reviewed the role and achievements of scholarship and award committee
 - Discussed the funding prospects for the awards
 - Brainstorm ways to garner traction on the scholarship fund
 - Discussed the mentor awards motion for the October board meeting
 - Agreed to host another scholarship meeting when the format of the 2021 NARST annual conference has been confirmed

Chair-Co-Chair Meetings

- We held two meetings between the chair and co-chairs
 - Meeting 1 Agenda - April 2020
 - Review roles/responsibilities
 - Review committee work for the year
 - Consider alternative conference plans for 2020
 - Maternity leave
 - Summer committee meeting
 - Next steps
 - Meeting 2 Agenda - September 2020
 - Update on GSC business during maternity leave
 - Review timeline for work moving forward
 - Overlap of RIG Methods Symposium w/ Forum and Research Symposium
 - Decide whether to request funding from Board
 - Review format of Board report
 - Fall committee meeting

Collaboration with Contemporary Methods in Science Education Research RIG

- We held a meeting led by Francesca Williamson to plan Contemporary Methods RIG Sponsored session
 - Agenda
 - Review plan from last year
 - Discuss online format
 - List of action items

2020 International Committee Report

PART A

September 25, 2020

International Coordinator:

Sonya Martin, Seoul National University, Republic of Korea
(22) Sara Wilmes, University of Luxembourg, Luxembourg (Co-Chair)

Members (8):

(21) Peter Wulff, University of Potsdam, GERMANY
(21) Lin Jing, Beijing Normal University, CHINA
(22) Mathias Ropohl, University of Duisburg-Essen, GERMANY
(22) Sara Wilmes, University of Luxembourg, LUXEMBOURG
(22) Allison Gonsalves, McGill University, CANADA
(23) Gavin Fulmer, University of Iowa, USA
(23) Sheron Mark, University of Louisville, USA
(23) Renata de Paula Orofino, Federal University of ABC, Brazil

1. INTERNATIONAL COMMITTEE SPONSORED SYMPOSIUM

NARST Orlando, FL, USA April 2021

A. Invited ESERA Session at NARST:

Crossing Boundaries: Examining and Problematizing Interdisciplinarity in Science Education

Abstract: The session is the ESERA-sponsored session including four papers focusing on interdisciplinarity in science education. Recent visions of science education call for creating explicit connections between STEM disciplines in science education. Examples include calls for integrating engineering into the instruction of scientific disciplines, engaging students in mathematical and computational modeling as an integral part of their science learning, and engaging students in scientific inquiry contextualized in real-life problems that inherently require the integration of STEM disciplines while demonstrating the relevance and power of science. Students are expected to engage in various STEM practices in these interventions while developing a deep understanding of core scientific practices and ideas. The integration of STEM disciplines while teaching a specific discipline is far from straightforward. The appropriation of knowledge and procedures from one discipline into another often results in epistemological changes in the appropriated constructs. This symposium aims to examine and problematize the potential, challenges, and price that such boundary crossings entail. The four presentations examine these issues from different perspectives, harnessing diverse methodological approaches to focus on the different facets of the conundrum of interdisciplinarity in science education.

Organizer: Sibel Erduran, University of Oxford, United Kingdom

Discussant: Sonya Martin, Seoul National University, South Korea

Participants:

Laura Branchetti University of Parma, Italy

Olivia Levrini, Alma Mater Studiorum, University of Bologna, Italy

Shulamit Kapon and Maayan Schvartz, Technion Israel Institute of Technology

Technion Israel Institute of Technology

Tal Peer, Acheret Center, Israel

Wonyong Park, University of Oxford, United Kingdom

Jen-Yi Wu, National Taiwan Normal University, Taiwan
Sharona T. Levy and Asnat R. Zoharm, University of Haifa, Israel
Ilana Dubovi, Ben-Gurion University, Israel

B. International Committee Sponsored Session at NARST:

Promoting an International Agenda for Research and Science Teacher Education to Improve Science and Special Education

Abstract: This panel/symposium seeks to promote more reflective and agentic approaches to science teacher preparation and science education research focused on improving science teaching and learning for students with Special Education Needs (SEN). Through the voices of 10 science education scholars from different parts of the globe and with diverse research contexts and expertise, we will engage in a dialogue about science and special education and we will encourage audience participants to reflect on and discuss the following questions: (a) What is science teaching and learning like for SEN students in my local contexts?; (b) How are teachers being prepared to effectively meet the science learning needs of SEN students?; (c) What research is being done to improve science teaching and learning opportunities for SEN students?; (d) What can be done to expand our focus on special education and science education as an organization? Drawing from the experiences of the panelists special education and science education in different contexts, we will encourage the audience participants to self-reflect on the ways they could promote improved science teaching and learning for all students.

Organizer: Sonya Martin, *Seoul National University, Republic of Korea* **Discussant:** Hye-Eun Chu, *Macquarie University, Sydney, Australia* **Participants:**

Ileana M. Greca, *Universidad de Burgos, Spain,*

Eva Silfver, *Umeå University, Sweden*

Ying-Ting Chiu, *The Ohio State University, USA and TAIWAN*

Da Yeon Kang, *Seoul National University, Republic of Korea,*

Sungmin Im and Jeongho Daniel Cha, *Daegu University, Republic of Korea*

Scott Cohen, Patrick Enderle, and Renee Schwartz, *Georgia State University, USA,*

C. International Committee Sponsored Pre-conference Workshop at NARST:

No workshop was organized for the 2021 conference.

2. AWARDS & SCHOLARSHIPS

A. NARST 2020 SCHOLARSHIPS

Two NARST students were awarded a \$2,500 scholarship to attend the *European Science Education Research Education (ESERA) 2020 Doctoral Summer School*. These two students were unable to attend due to complications/restrictions from the global pandemic. The students have both confirmed they would use the award again in 2021 should ESERA hold the summer school.

One NARST members were awarded \$7,000 scholarship for the 2020 LSEP. The LSEP was not held due to complications/restrictions from the global pandemic. The member and partner group in Khazakstan confirmed they would use the award in 2021 conditions permit (online or face to face).

The International Committee granted \$10,500 in NARST conference travel awards to 15 international graduate student and early career scholars. Following the cancellation of the conference, I informed the award winners that they should cancel their travel and inform me about the financial losses incurred as a result of the cancellation.

Of the 15 members, 8 were able to completely cancel all travel and had no financial loss (assuming NARST refunded members' registration fees). These unused awards accounted for \$4,500 of our awards. The remaining 7 members had varying degrees of success to cancel their trip arrangements (with some minimal cancellation fees for flights or hotels). Attached are the documents I have collected from each member - including the NARST payment processing form, a form I made to have each member describe their loss, and actual receipts as evidence of the loss (English translations are provided as needed).

Members were informed they could request up to the amount initially awarded. Of the \$6,000 awarded to these 7 members, only \$3,668 was requested.

B. SCHOLARSHIP APPLICATION REVISIONS

The NARST International Committee Equity sub-committee headed by Dr. Allison Gonsalves conducted a review in 2019 - 2020 of the documents used for application to and evaluation of the NARST International Committee Travel Scholarships. Suggested revisions are noted in the pages that follow with the aim of improving equity related to award eligibility, assessment criteria, and award determination.

One of our committee's current tasks is the review and revision of instruments that we use to award the three scholarships that the IC offers each year (NARST Conference Travel Scholarship, LSEP Program Scholarship, Doctoral School Scholarship) in order to more equitably evaluate submitted applications. In support of this goal, a revision process was undertaken by the head of the IC Equity sub-committee under the direction of Dr. Allison Gonsalves. This process involved reviewing all documents used by our committee, reaching out to members of other NARST Committees for consultation on and conversations about equitable ways to set up/revise the applications, and detailed notes taken by our committee members while using the tools to review applications. From the results compiled from this process, the following three set of recommendations have been put forth:

1. NARST Conference Travel Scholarships: Detailed revisions needed (completed)
2. NARST Linking Science Education Program: Minor revisions needed (completed)
3. NARST Doctoral School Scholarships: Detailed revisions needed (will complete in Winter 2020)

3. POST-CONFERENCE QUESTIONNAIRE PROPOSAL

Sub-Committee Chair: Peter Wulff (Germany)

Subcommittee Members: Hye-Eun Chu (Australia) and Sonya Martin (Republic of Korea)

The International Committee developed 10 survey items in conjunction with the Membership Committee, Chair Brooke Whitworth, to be included in the post-conference survey. Data collected should be disaggregated by geographical location, demographics, and conference activities to assess the experiences of international members compared to domestic US members.

We have not information about whether this data was collected.

Proposed items and response format [(SD) strongly disagree - strongly agree (SA)]

Proposed items and response format [(SD) strongly disagree - strongly agree (SA)]

<i>Please rate to what extent you agree with the following item regarding your general experience at NARST 2020 conference</i>	Response format				Scale
1. In my estimation, many people attended my talk/poster/roundtable.	SD	D	A	SA	Social integration
2. In my estimation, I received a lot of feedback, questions, and interest from fellow researchers regarding my talk/poster/roundtable.	SD	D	A	SA	Social integration (presentation)
3. The time slot of my talk/poster/roundtable was convenient for me.	SD	D	A	SA	Organization
4. I wish I had a better timeslot for my talk /poster /roundtable.	SD	D	A	SA	Organization
Comment box ("Why did you respond the way you did?")					
<i>Please rate to what extent you agree with the following item regarding your general experience at NARST 2020 conference</i>	Response format				Scale
5. I had opportunities to interact with fellow researchers.	SD	D	A	SA	Social integration
6. I met researchers that I didn't know personally before.	SD	D	A	SA	Social integration
7. I feel I was able to make a contribution to the NARST community.	SD	D	A	SA	
8. I feel the NARST community was receptive to my contributions	SD	D	A	SA	
9. I would prefer not to attend the NARST conference due to ecological/environmental concerns related to travel.	SD	D	A	SA	
10. I would prefer not to attend the NARST conference due to national political issues that makes me feel unwelcome as a foreign visitor.	SD	D	A	SA	

We suggest that we disaggregate data as suggested below:

Item	Purpose
National versus international	Disaggregate data by geographical location
[Gender/race/ethnicity]	Disaggregate data by demographics to see if any differences by subgroups
Type of presentation (talk/poster/roundtable/keynote/oth	Disaggregate data by type of presentation
[Time schedules]	Map actual time-slot to participants experience

**NARST: A Worldwide Organization for Improving Science
Teaching and Learning through Research**

**International Committee Call for Proposals
Linking Science Educators Program (LSEP) 2021**

Description

NARST is a worldwide organization committed to help all learners to achieve scientific literacy as an ultimate goal and to cooperate with other educational and scientific societies to influence science education policies. The Linking Science Educators (LSEP) program is an initiative designed to contribute to the improvement of science education in countries interested in science education reform. In particular, the program intends to support representatives from countries that are either economically disadvantaged (e.g., UNDP Human Development Index 0.80 or below) or educationally disadvantaged countries (e.g., low financial support towards science education with respect to their gross national product for education). However, the LSEP award can also be awarded to researchers and science education practitioners who seek to implement new ideas on science educational reform in their countries, but cannot attain enough financial support.

The LSEP program seeks to act as a catalyst whereby NARST members contribute their expertise and experiences in theory and in practice to people in different countries by participating as a resource-individual. The LSEP program supports economy round-trip airfare for resource-individuals (who must be NARST members) and the host country is expected to provide the cost for the resource person's stay and for expenses for the proposed activities (e.g., conference, workshop, seminar, or other activity). Countries that are involved in science education reform are encouraged to submit a proposal for the LSEP program via the chairpersons of their science education association, or other recognized bodies in the country, to the NARST International Coordinator/International Committee Chair.

Purpose

The Linking Science Education Program (LSEP) has been established for the following purposes:

1. Connect science educators with countries interested in improving science education, in particular, to economically disadvantaged or underrepresented countries for implementing new ideas in science education reform.
2. Encourage NARST members to contribute their expertise and experiences in theory and practice to different regions and countries.
3. Demonstrate the commitment of NARST to improving science education research in different cultures.
4. Share responsibilities for improving scientific literacy of all citizens in the 21st century.
5. Promote active interaction among science education associations.

Who is eligible for this program?

1. Countries that are willing to implement science education reform will be strongly encouraged to submit the proposal for the LSEP program either via the chairpersons of their science education association or from other internally recognized bodies that are associated with the improvement of science education.
2. LSEP program will act as a catalyst to encourage NARST members to contribute their expertise and experiences in theory and practice to different regions and countries.

Budget anticipated

Maximum total amount of proposal: \$7,000

Submission deadlines: February 1, 2022

Starting and ending time: March 20, 2022 - December 31, 2022

Who are the resource experts?

All NARST members are eligible and encouraged to contribute their experiences and expertise to the LSEP program.

Procedures and requirements of application

The following procedures are recommended to those who are interested in applying LSEP:

1. Download LSEP announcement, application form and evaluation forms from www.narst.org, the official website of NARST.
2. Search for potential resource persons who will agree to come.
3. Consult the NARST International Coordinator or the Chair of the LSEP committee, Sara Wilmes for preparation of the proposal if needed.
4. Submit the proposal to the NARST International Coordinator, Sonya Martin electronically

Additional Requirements (for funded projects)

5. Write a 1-page description of the project to advertise the project on the NARST website. The description should be submitted to the NARST International Coordinator. Any questions about how to prepare the summary can be directed to the International Coordinator.
6. Write a 1-page report after completing the project for NARST and submit it to the NARST International Coordinator. The report will describe how the project was implemented and outcomes from the project. Support will be provided by the International Coordinator in writing the report if needed.

Selection Process

The LSEP Sub-Committee will review all applications based on the provided criteria. Preference will be given to applicants who demonstrate a strong case for science education reform in their country that would benefit from international expertise. Recipients are chosen through a review process by all members of the International Committee, and approval by the NARST Board of Directors.

**NARST International Committee
Linking Science Educators Program (LSEP)
Application**

Part 1: Applicant Information

First Name	
Last Name	
Name of Institution	
Address of Institution	
Postcode	
Country	
Email	
Telephone	

Part 2: Project Description

Project Title	
Project Time Frame	
Keywords (at least 3)	
Task Group Chairperson (needs to be NARST member)	(Name, email, address)
Task Group Members	(Name, email, address)
Project Objectives	(50 word max)
Project Description (including names and institutions of resource persons who need to be NARST members. If not, they have to register before conducting the project)	(Max 1000 words or 2 pages)
Duration	
Audience (who and how many)	
Location	
Format	(conference, workshop, lecture, combination of formats – please explain)
Proposed agenda	
Outcome(s)	(please detail which of the following will be outcomes of your proposed project including, but not limited to: journal manuscripts, books, workshops, conferences and conference proceedings, instructional materials, database, web page, press releases. Please detail all outcomes)
Dissemination Plan	(Please detail a dissemination plan for the outcomes of the proposed project)
Budget	

Travel Administrative Local transportation Other (describe) Total (in USD)	
Amount of funding requested from NARST	
External funding (agency and amount, if any)	
Anticipated Impact	
Criteria for Retrospective Evaluation	
Reference(s)	(Provide the name of and contact information for at least one person who can attest to your project management capabilities)

LSEP REVIEWER FORM

Applicant	
Country	
LSEP (Conference/Workshop/Seminar)	Format:

LSEP Review Summary Table

Review categories

(Max Points Possible 100)

1 Applicant's Status 10 pts

2 Meets LSEP Requirements 15 pts

3 Content and Value of the Proposal 20 pts

4 Contribution to NARST and International Community 20 pts

5 Contribution to Applicant's Own Country and/or to country in collaboration 20 pts

6 Qualification of Resource Persons 15 pts

Total Points: _____

Recommendation

- Strongly recommend (85-100 pts)
- Recommend (75-84 pts)
- Recommend with reservations (60-74 pts)
- Not Recommend (50-59 pts)
- Strongly not recommend (under 50 pts)

•
1. Applicant's status (10 points)

- (1) Applicant is a CURRENT member of NARST
 - (2) Applicant is in a potential position to influence science education in his/her country (i.e. chair of science education association, or position in administration related to science education/education)
 - (3) Applicant shows strong competence in conducting LSEP
- all fit well (7-10 points) partially fit (3-6 points) all do NOT fit well (0-2 points)

Comments:

2. Meets LSEP Requirements (15 points)

- (1) An emergent need for improving science education quality is detailed (1-8 pts)
- (2) Economically disadvantaged or underrepresented countries (1-7 pts)

Comments:

3. Content and Value of the Proposal (20 points)

- (1) With the value of promoting science education (1-7 pts)
- (2) Planned activity is feasible (1-7 pts)
- (3) Anticipated outcomes could be achieved (1-6 pts)

Comments:

4. Contribution to NARST and International Community (20 points)

- (1) Fulfill the mission in promoting quality of teaching and learning in science (1-10 points)
- (2) Fulfill the mission in communicating with researchers internationally (1-10 points)

Comments:

5. Contribution to Applicant's Country (25 points)

- (1) Fulfill the mission in promoting quality of teaching and learning in science (1-7 points)
- (2) Fulfill the mission in communicating with researchers (1-6 points)
- (3) Potential influence on changing science education policy (1-6 points)
- (4) Invite various types of participants to attend the activity (1-6 points)

Comments:

6. Qualification of Resource Persons (10 points)

- (1) Background and experience of resource persons in science education (1-5 pts)
- (2) Appropriateness of resource person's expertise to the anticipated activity (1-5 pts)

Comments:

NARST 2021 INTERNATIONAL COMMITTEE TRAVEL SCHOLARSHIP

REVIEW FORM

APPLICANT NAME: _____

Minimum criteria for eligibility

In order to be eligible for the IC scholarship, the applicant should have “yes” response for the following items.

Yes	No	
		Applicant is a current member of NARST
		Applicant resides outside of the US
		Applicant is either a current graduate student or an early career faculty member of researcher (within the 10 years of completion of Ph.D.).
		Applicant provides evidence of participating in the Annual Conference (e.g., presenting a paper, chairing a committee, or serving on the Board, etc.)
		Applicant provides statement of need or statement of funding to support travel

Commented [SM1]: This changes the period of eligibility from 6 years to 10 years in order to allow space for those who have "non-traditional" paths through academia

Commented [SM2]: The NARST Board clarified that these travel scholarships should be both need-based and merit-based, thus we have added a request for a statement in order to attempt to establish those who need support versus those from whom the scholarship would be "over and above" their funding - not a perfect solution, but one step that is possible

Applicant’s country income level (Refer to Appendix A)

Applicant’s country of residence:

Income level of applicant’s country:

- Low income (Less than \$1,035 per capita/per year)
- Lower middle income (Between \$ \$1,036 TO \$4,045 per capita/per year)
- Upper middle income (Between \$ (\$4,046 TO \$12,535) per capita/per year)
- Higher income (More than \$12,376 536 per capita/per year)

[CHECK COUNTRY INCOME LEVELS FOR EACH YEAR AT THIS SITE \(APPENDIX A\)](#)

CRITERIA THAT ARE SCORED - SUMMARY TABLE

EVALUATION CATEGORY	POINTS (MAX 3)	SCORE
1 Nature of Participation at Conference	3	
2 Expected benefits for attending conference	3	
3 Contribution or Potential Contribution to Field (see CV)	3	
	TOTAL	_____

RUBRIC 1 point for each following criterion

CRITERION 1: NATURE OF PARTICIPATION AT ANNUAL CONFERENCE

- Description of participation included all required information requires – title of presentation, seminar, or role/position in service to NARST (1 point)
- Description of participation provides a strong (2 pts.), fair (1 pt.), or weak (0pts) argument as to why their attendance at the conference is necessary.

CRITERION 2: BENEFITS EXPECTED BY ATTENDING

- Applicant describes how attending the conference will benefit their own line of research and/or teaching. (1 point)
- Applicant describes how attending will benefit the goals of improving science education in their country of residence. (1 point)
- Applicant describes how their attendance may help with NARST's overall goal of expanding as an international leader for promoting quality science learning and teaching globally. (1 point)

CRITERION 3: SCHOLARLY CONTRIBUTIONS OR POTENTIAL CONTRIBUTIONS TO THE FIELD OF SCIENCE EDUCATION (REFER TO CV)

- Applicant's CV demonstrates a strong record of scholarly research or activity through multiple publications, grants, and/or presentations at conferences. (3 points)

NOTE for assessors: Keep in mind that for graduate students a "strong record" may be shown more through collaborative work with advisors and conference presentations than actual publications and grants.

- Applicant's CV demonstrates a good record in mainly one of following scholarly activities: publications, grants, and/or presentations at conferences. (2 points)
- Applicant's CV demonstrates a limited record of any scholarly activities, such as: publications, grants, and/or presentations at conferences. (1 point)
- Applicant's CV did not include any scholarly activities listed. (0 points)

OVERALL COMMENTS

(please provide your comments here)

APPENDIX A

Low-income economies (\$1,035 OR LESS)- Scholarship amount \$1000

Afghanistan	Guinea-Bissau	Sierra Leone
Benin	Haiti	Somalia
Burkina Faso	Korea, Dem. People's Rep.	South Sudan
Burundi	Liberia	Syrian Arab Republic
Central African Republic	Madagascar	Tajikistan
Chad	Malawi	Tanzania
Congo, Dem. Rep	Mali	Togo
Eritrea	Mozambique	Uganda
Ethiopia	Nepal	Yemen, Rep.
Gambia, The	Niger	
Guinea	Rwanda	

Commented [SM3]: Updated for 2021 from: <https://datahelpdesk.worldbank.org/knowledgebase/articles/906519-world-bank-country-and-lending-groups>

Must be updated each year – last time was 2009!!!

Lower-middle-income economies (\$1,036 TO \$4,045) Scholarship amount \$800

Angola	India	Papua New Guinea
Bangladesh	Indonesia	Philippines
Bhutan	Kenya	São Tomé and Príncipe
Bolivia	Kiribati	Senegal
Cabo Verde	Kyrgyz Republic	Solomon Islands
Cambodia	Lao PDR	Sudan
Cameroon	Lesotho	Timor-Leste
Comoros	Mauritania	Tunisia
Congo, Rep.	Micronesia, Fed. Sts.	Ukraine
Côte d'Ivoire	Moldova	Uzbekistan
Djibouti	Mongolia	Vanuatu
Egypt, Arab Rep.	Morocco	Vietnam
El Salvador	Myanmar	West Bank and Gaza
Eswatini	Nicaragua	Zambia
Ghana	Nigeria	Zimbabwe
Honduras	Pakistan	

Upper-middle-income economies (\$4,046 TO \$12,535) Scholarship amount \$500

Albania	Fiji	Namibia
Algeria	Gabon	Nauru
American Samoa	Georgia	North Macedonia
Argentina	Grenada	Paraguay
Armenia	Guatemala	Peru
Azerbaijan	Guyana	Romania
Belarus	Iran, Islamic Rep.	Russian Federation
Belize	Iraq	Samoa
Bosnia and Herzegovina	Jamaica	Serbia
Botswana	Jordan	Sri Lanka
Brazil	Kazakhstan	South Africa
Bulgaria	Kosovo	St. Lucia
China	Lebanon	St. Vincent and the Grenadines
Colombia	Libya	Suriname
Costa Rica	Malaysia	Thailand
Cuba	Maldives	Tonga
Dominica	Marshall Islands	Turkey
Dominican Republic	Mauritius	Turkmenistan
Equatorial Guinea	Mexico	Tuvalu
Ecuador	Montenegro	Venezuela, RB

High-income economies (\$12,536 or more) Scholarship amount \$300

Andorra	Gibraltar	Palau
Antigua and Barbuda	Greece	Panama
Aruba	Greenland	Poland
Australia	Guam	Portugal
Austria	Hong Kong SAR, China	Puerto Rico
Bahamas, The	Hungary	Qatar
Bahrain	Iceland	San Marino
Barbados	Ireland	Saudi Arabia
Belgium	Isle of Man	Seychelles
Bermuda	Israel	Singapore
British Virgin Islands	Italy	Sint Maarten (Dutch part)
Brunei Darussalam	Japan	Slovak Republic
Canada	Korea, Rep.	Slovenia
Cayman Islands	Kuwait	Spain
Channel Islands	Latvia	St. Kitts and Nevis
Chile	Liechtenstein	St. Martin (French part)
Croatia	Lithuania	Sweden
Curaçao	Luxembourg	Switzerland
Cyprus	Macao SAR, China	Taiwan, China
Czech Republic	Malta	Trinidad and Tobago
Denmark	Monaco	Turks and Caicos Islands
Estonia	Netherlands	United Arab Emirates
Faroe Islands	New Caledonia	United Kingdom
Finland	New Zealand	United States
France	Northern Mariana Islands	Uruguay
French Polynesia	Norway	Virgin Islands (U.S.)
Germany	Oman	

The NARST International Committee Equity sub-committee headed by Dr. Allison Gonsalves conducted a review in 2019 - 2020 of the documents used for application to and evaluation of the NARST International Committee Travel Scholarships.

Suggested revisions are noted in the pages that follow with the aim of improving equity related to award eligibility, assessment criteria, and award determination.

For the moment, the 2021 Scholarships will be available for those who will travel to the 2021 Conference in Orlando, Florida, USA. Due to COVID19 and the International Committee's recommendation to support virtual participation in the 2021 Conference, the use of funds for travel in 2021 will be evaluated closer to the date of the conference.

Announcement to be posted on narst.org in October/November

To NARST International Members:

The NARST International Committee is offering travel scholarships* to support the travel of PhD students and Early-career scholars within 10 years of completion of their PhD to travel to the NARST 2021 Annual Meeting to be held *(fill in details)* USA.

International members (scholars living and working outside of the USA) are invited to submit an application to the International Coordinator, Sonya Martin by January 15, 2021.

*The amount of the scholarship varies depending on where the researcher lives and what activities are to be supported. Please review the application materials carefully for more details.

For the application form please visit (insert link to application, shown below).

Commented [SM1]: We suggest a NARST email account or gmail account for the committee to track and preserve communications – rather than using personal email addresses of committee members.

NARST 2021 INTERNATIONAL COMMITTEE TRAVEL SCHOLARSHIP

APPLICATION

Last name:	First name:
Institution name:	
Institution address:	
Mailing address:	
Email:	

Commented [SM2]: In 2019 the IC received more applications than ever before (approx. 27). To facilitate submission of applications we propose to use an online database. Please let us know in a comment below if there are databases that are NOT used in your country, or that are restricted. We can additional ask NARST if the new website could somehow accommodate application submissions.

Options could include:
 -Google Forms
 -Survey Monkey

To qualify for the scholarship you must meet the following criteria:

- Are you a current member of NARST? Yes No
 If yes, please provide your membership #:

- Current professional status (must comply with ONE of the following)

I am a science education graduate student studying outside the USA.
 Yes No

I am a science education scholar within **10** years of completion of PhD and working outside the USA (*doctoral degree conferred on or after 2011)
 Yes No

- Have you received a NARST scholarship in the past?
 Yes No

If yes, in what year did you receive the scholarship and for which purpose/program was the scholarship awarded?

Commented [SM3]: Recommendation to lengthen period from 6 years to 10 years. Our trouble with this timeline is that post-PhD a number of things can happen to impact women and minoritized people disproportionately. One may have difficulty finding academic positions, and take a break from academia; one may have children and take a year or more off, etc. We recommend extending to 10 years, with an allowance for an explanation if time to start a TT position is longer, would take these factors into account.

Commented [SM4]: Recommendation: Limit awards to no more than twice in a 10-year period. In the past there were a handful of candidates who applied, and were awarded funding for multiple years. The past president clarified that first-time applicants should be prioritized, and if there is money left over, then second-time awardees may be considered.

Commented [SM5]: For the moment, this award is to support travel in-person to the conference in the US. It remains to be seen if NARST incorporates a virtual-participation option for 2021, and if the registration fees will be the same as in-person participation, then reconsider amending this for the 2022 funding cycle.

NOTE: students studying in the USA, Faculty or Researchers working in the USA, and Members of the International Committee are NOT eligible to apply. Applicants who have not received a NARST scholarship in the past will be given priority.

Commented [SM6]: The suggested award amounts stated on the review form currently takes into consideration the GDP of the country from which the applicant is traveling, but does not take into account the cost of an airline ticket (or distance the applicant is traveling (e.g., An awardee traveling to NARST from Korea is awarded the same amount as an awardee traveling to NARST from Europe, yet their airline ticket costs are very different. We suggest the consideration of both the GDP of the applicant's country and also the distance of travel to NARST (or, relative approximate cost of travel to NARST) when determining the amount to be awarded.

Please estimate your budget for travel expenses needed to attend the conference.	
Travel (price for airplane tickets, etc.):	Conference registration fee:

Cost for lodging (hotel)/meals:	Other fees (please describe – e.g., visa fees, cost of medical insurance for travel within the US, etc.):
Please list and describe any additional funding you are guaranteed to receive in support of your travels to attend the 2020 Annual NARST Conference. Please list the source and amount to be awarded (for example from your school or government sources).	

Please attach three additional word documents to your application materials that include:

A. Provide a written statement (*maximum of 300 words*) answering the following questions:

- What is the nature of your participation in the 2020 NARST Conference (e.g. title of your presentation, symposium, poster etc.)? **Please explain how your participation will contribute to the conference?**
- What benefits do you expect to gain from participating at the conference?
- How may your attendance at this conference benefit the goals for science education in your country?
- How might the international NARST community benefit from your contribution?

B. Evidence of participation in NARST that include the following:

- Copy of your proposal acceptance email for the 2020 NARST conference (*if applicable*).
- If you are not presenting, but are instead serving NARST membership in another way, please provide evidence to explain (e.g., serving on a committee, serving on the Board, etc.)

C. Evidence of need

Submit a letter detailing the funding you have to support your travel to NARST, or lack of funding to support your travel. This letter needs to be signed by a supervisory colleague.

WORD DOCUMENT 2

C. Provide your curriculum vita (*maximum of 2 pages*) that includes the following:

- Education and professional experiences in science education,
- Contributions to the field of science education research (including any publications, grants, conference papers, presentations, etc.)

Commented [SM7]: Note, it has been clarified that these scholarships are both merit-based and need-based, so upon consider both the applicant's need AND their accomplishments, keeping in mind that applicants with access to fewer resources may also have fewer experiences detailed on their CVs.

Journal of Research in Science Teaching
Fall Report: March 1, 2020 – August 31, 2020
Submitted to the NARST Executive Board of Directors
Part A

Overview of Submission and Decision

This report covers the six-month period March 1, 2020 through August 31, 2020 (the “Fall Reporting Period”), which is the JRST standardized six-month reporting period, mid-way toward the full-year Annual Report to be submitted to the NARST Executive Board with full-year data (the “Annual Reporting Period”) for the NARST Annual Conference in the spring. Our goal for this report is to offer fresh information, within our standard reporting periods, to allow the NARST Executive Board to appreciate both recent activity and trends over time.

During the 2020 Fall Reporting Period, our editorial team received a total of 346 manuscripts: of these, 295 were new or resubmitted and 51 were revised manuscripts.

Manuscript Decision: Average Time for First Decision

A key goal for our team is to ensure that manuscripts selected to be sent out for peer review receive a first decision within four months from date of submission, on average.

The average number of days to initial decision for manuscripts submitted during the 2020 Fall Reporting Period is 42 days, reflecting a skillful and very conscientious editorial team, committed to ensuring the Journal’s rapid response to our submitting authors. As Figure 1 shows, 92% of all submitted manuscripts receive a first decision in less than 90 days, while 98% of submitted manuscripts receive this first decision within four months from date of submission.

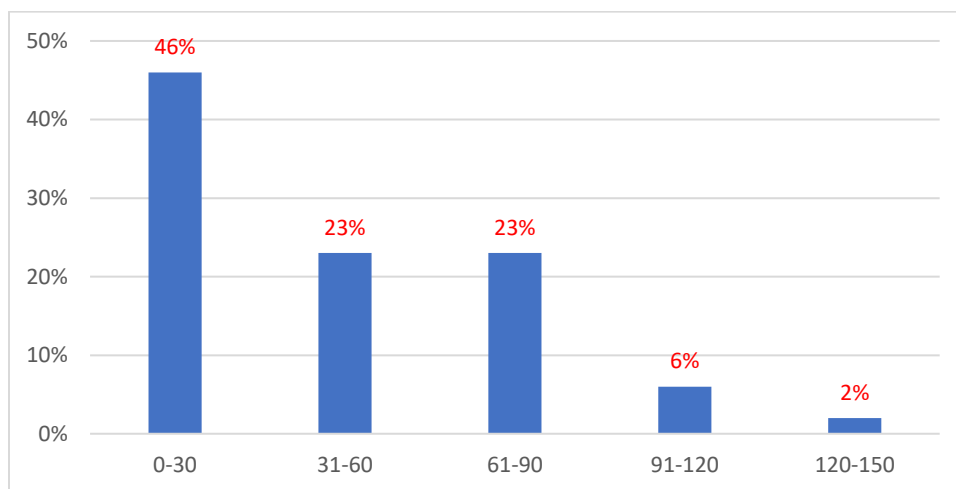


Figure 1. Fall 2020 Reporting Period: Percentage of manuscript decisions, by time category¹

In-House Manuscript Pre-Screening

¹ For reference, the last October report before the pandemic, the previous editorial team’s data were, 42 days on average, 55%, 25%, 17%, 2%, and 1% for Figure 1.

We are sustaining a deliberate strategy to conduct substantive in-house screening of each incoming manuscript. During the Fall 2020 Reporting Period, 37.3% of all original manuscripts we received were given a decision of Special Reject without External Review. “Special Reject” decisions allow authors whose manuscripts are unlikely to fare well in peer review, because the manuscript is not a topical fit with JRST, the freedom to quickly seek more suitable publication venues. We work hard to balance management of manuscript flow, without depriving a manuscript to benefit from the opportunity of receiving full peer review process and feedback.

The Work of Our Associate Editors

We continue to prioritize smooth and efficient manuscript review and work attentively with the Associate Editors to minimize complications and lag times. Two strong Associate Editors were recruited, one from outside the JRST editorial Team and one from the outgoing editorial team, with approval of the NARST Executive Board this Spring. Our number of Associate Editors are at 27, which helps greatly to keep all workloads reasonable and to maintain flexibility to handle emergencies.

The chart below shows average days from submission to initial decision by individual Associate Editor. Average time was 74 days. While three Associate Editors demonstrating longest intervals (>100 days) due to different reasons, we kept close communication among the submitting authors, the Associate Editors, and the Co-Editors, continuous vigilance to keep *Journal* work in line with our time commitments, while providing constructive, high quality feedback to submitting authors.

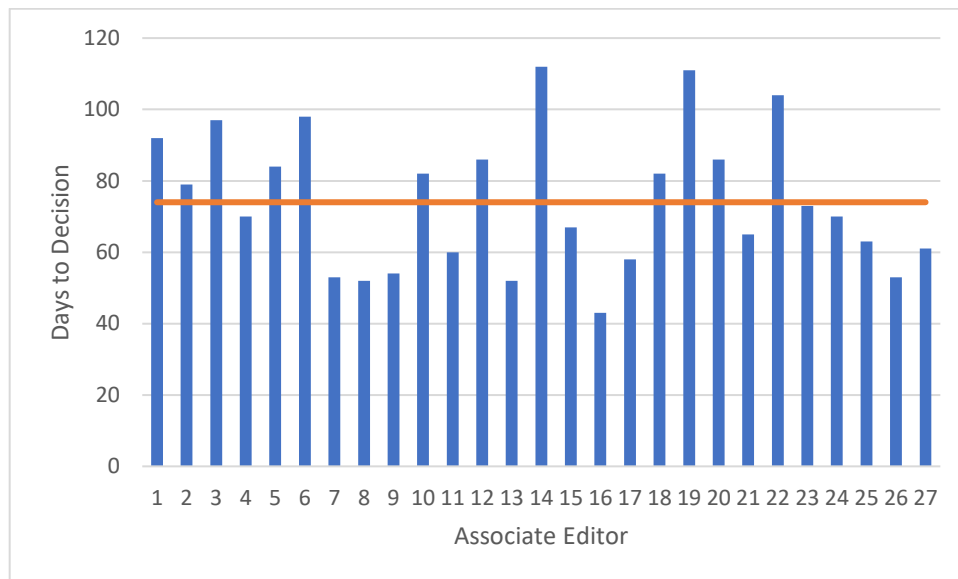


Figure 2. Fall 2020 Reporting Period: Average days from submission to initial decision, by individual Associate Editor, and Group Average

Editorial Board Recruitment

Spring 2020 saw our first annual recruitment of Editorial Board Members, who are appointed for three-year terms. We engage the same selection principles and priorities used for recruitment and selection as employed by the outgoing editorial team. Sixteen scholars around the world were selected from diverse backgrounds of research areas and methodological expertise.

Global Representation

The global distribution of manuscript submissions is illustrated in Figure 3, below. During the 6-month 2020 Fall Reporting Period, 52.5% of the 299 manuscripts received were from 45 different countries and regions outside the United States.

Turkey represents the largest (6.0%) group of these submissions, followed by Spain (5.4%), China (4.3%), Israel (3.7%), India (2.7%), and Indonesia (2.7%). Forty-six countries were represented in Figure 3 (below) including Australia, Brazil, Canada, Chile, China, Cyprus, Czech Republic, Denmark, Ethiopia, Finland, France, Germany, Ghana, Greece, India, Indonesia, Iran (the Islamic Republic of), Iraq, Israel, Italy, Kenya, Korea (the Republic of), Lebanon, Macao, Malaysia, Mexico, Micronesia (the Federated States of), Netherlands, New Zealand, Nigeria, Norway, Pakistan, State of Palestine, Philippines, Qatar, Rwanda, Saudi Arabia, Serbia, South Africa, Spain, Switzerland, Taiwan, Turkey, United Arab Emirates, United Kingdom, and United States.

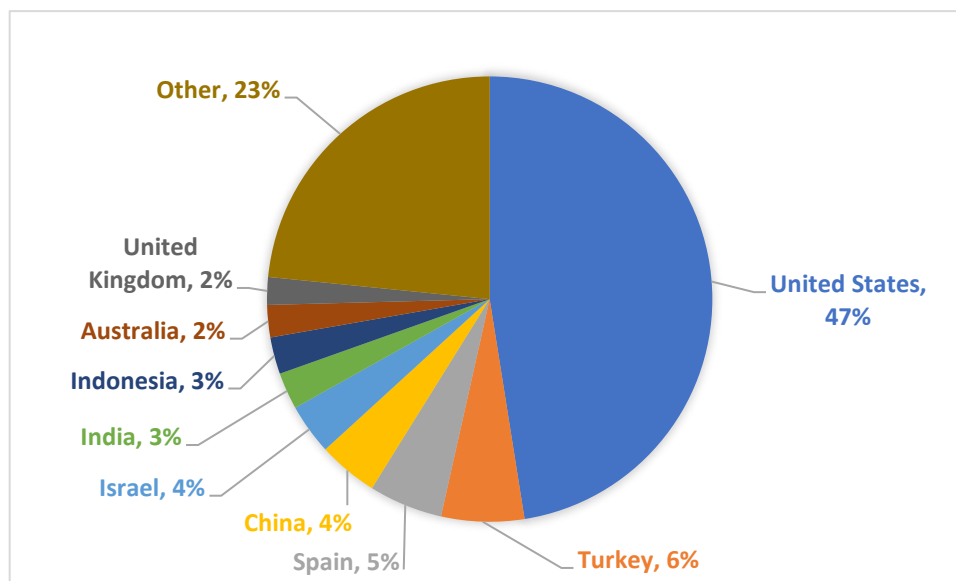


Figure 3. Global submission March 1, 2020 – August 31, 2020, all countries

Updates to Author Guidelines

In the summer of 2020, our editorial team updated the author guidelines to reflect the latest version of the APA Publication Manual (7th edition). In the online submission system, we worked with staffs from Wiley to incorporate additional screening questions related to style and formatting so that authors are reminded about the guidelines when submitting manuscripts. The update helps reduce the cases in which manuscripts are returned to authors for edits due to not following the formatting requirements, which in turn improves our efficiency in providing timely decisions.

Our editorial team also changed the page limit to 40 pages excluding abstracts, references, tables, and figures, from previously 45 pages including references, tables and figures. We made the decision in response to inquiries and feedback from prospective authors, especially when they have multiple tables

and figures to present. Under the previous page limit, they would put those tables and figures in separate files, which count towards to the total page limit. The update makes the page limit simpler to follow. As such, rather than responding to questions related to page limit, our editorial team can spend more time and efforts attending to other important aspects of evaluating incoming manuscripts.

Professional Development

The Co-Editors attended a webinar sponsored by Wiley on Improving Research Through Better Peer Review. The panelists explored current trends and developments in peer review, how peer review quality can be improved and sustained, and the role of the editor in peer review. There was also a discussion of how COVID-19 is impacting the peer review process. This webinar complemented the Wiley self-assessment we completed earlier this year. We continually discuss what impact COVID-19 is having on the work of the journal and making adjustments and allowances and being responsive to authors, reviewers, and our editorial board members.

Respectfully,

Troy Sadler & Felicia Moore Mensah, Co-Editors
Li Ke, Managing Editor
Jacqueline Horgan and Eric Kirk, Editorial Associates

Fall 2020 Membership Committee Report

Board Liaison

(23) Brooke Whitworth Clemson University

Committee Leadership

(21) Selina Bartels (co-chair) Valparaiso University

(22) ReAnna S Roby (co-chair) Vanderbilt University

Members:

(21) Alison Riley Miller Bowdoin College

(21) Felicia Moore Mensah Teachers College, Columbia
University

(22) Shirly Avargil Technion

(22) Mark Newton East Carolina University

(22) Sule Aksoy (graduate
student representative) Syracuse University

(23) K.C. Busch North Carolina State
University

(23) Elizabeth de los Santos University of Nevada, Reno

Activities

The membership committee met four times since March 2020 (when the NARST meeting would have been held). March 18th, April 1st, May 18th and July 28th. In March 2020 the charge of the Membership committee was given and sub committees were formed. See the following distribution of work.

Charge 1- Develop a proposal which expands the membership of NARST to include practitioners while retaining the NARST mission and focus on research.	Charge 2- Develop a standard evaluation to be used yearly and to be distributed to members immediately prior to the end of an annual conference or immediately after the conference concludes	Charge 3- Develop a proposal for offering services to NARST members outside the annual conference
Elizabeth de los Santos	Make Newton	Sule Aksoy
Alison Riley Miller	KC Busch	Selina Bartels
Reanna Roby	Shirly Avargil	Felicia Mensah

Additionally the assignment of traditional Membership Sponsored Sessions at NARST were assigned.

Activities of the sub committees:

Charge 1- Develop a proposal which expands the membership of NARST to include practitioners while retaining the NARST mission and focus on research.

- A practitioner is a classroom teacher or informal educator working directly with classroom teachers (e.g., teacher on special assignment).

- Practitioners need a special welcome session at the annual conference and opportunities to network with other practitioners.
- Proposed actions should be implemented in time for the 2022 conference.
- NARST should provide grants to support travel and conference fees for a select number of practitioners.
- NARST can reach practitioners through partnering with organizations like NSTA and through NARST members who are already working with practitioners
 - Dual-Membership- between perhaps NSTA and NARST

Charge 2- Develop a standard evaluation to be used yearly and to be distributed to members immediately prior to the end of an annual conference or immediately after the conference concludes.

This sub committee has created a two part survey for the 2021 conference. Please see below for suggested survey questions. The first part is demographic information the second is in reaction to the conference.

Sociodemographic information:

Sociodemographic	Survey Question	Response Scale
Gender Identity	I identify my gender as:	Male Female Transgender Prefer not to answer A gender not listed here: <open text response>
Race/Ethnicity Identity	I identify my ethnicity as: (select all that apply)	Asian Black/African Caucasian Hispanic/Latinx Middle Eastern Native American Pacific Islander Prefer not to answer An ethnicity not listed here: <open text response>
Age	What is your age?	<drop down of numbers>
Geographic Home Location	In what country do you live?	<dropdown list of countries>
# of NARST Conferences attended	How many NARST conferences have you attended?	<drop down of numbers>
# of years as NARST Member	How many years have you been a NARST member?	<drop down of numbers>

Academic Degree	What is the highest level of academic degree that you have obtained?	High school Some college Associate's Degree Bachelor's Degree Master's Degree Doctoral Degree
Academic Degree	In what year was that degree granted?	<drop down of years>
Current Role/Position	What is your current professional role?	Undergraduate student Graduate student Early career researcher Junior faculty Senior faculty Undergraduate educator P-12 educator Educator/researcher at informal or nonformal institution Nonacademic institution Retired Other role not listed here: <open text response>
# of years in this position	How many years of experience do you have in this current position?	<drop down of numbers>
Years of experience	How many years of teaching experience do you have? How many years of research experience do you have?	<drop down of numbers> <drop down of numbers>
Perceived benefits of membership	Why do you choose to be a member of NARST? What benefits do you see from membership?	<open text response>
Language	What is your primary language?	English Spanish Portuguese French Mandarin Arabic Other not listed here: <open text response>

Outcome	Survey Question	Response Scale
Social Integration (INTL COMM)	In my estimation, many people attended my talk/poster/roundtable.	SD, D, N, A, SA
	In my estimation, I received a lot of feedback, questions, and interest from fellow researchers regarding my talk/poster/roundtable.	SD, D, N, A, SA
	I had opportunities to interact with fellow researchers.	SD, D, N, A, SA
	I met researchers that I didn't know personally before.	SD, D, N, A, SA
	I feel I was able to make a contribution to the NARST community.	SD, D, N, A, SA
	I feel the NARST community was receptive to my contributions	SD, D, N, A, SA
Organization (INTL COMM)	The time slot of my talk/poster/roundtable was convenient for me.	SD, D, N, A, SA
	I wish I had a better timeslot for my talk /poster /roundtable.	SD, D, N, A, SA
Barriers to Attendance (INTL COMM)	I would prefer not to attend the NARST conference due to national political issues that makes me feel unwelcome as a foreign visitor.	SD, D, N, A, SA
	I would prefer not to attend the NARST conference due to ecological/environmental concerns related to travel.	SD, D, N, A, SA
Conference Satisfaction	I attended a NARST pre-conference workshop. Overall,the session was:	NA, OK, Satisfactory, Very Good, Excellent
	I attended at least one plenary address, and overall thought the session(s) was: (can ask about each plenary separately)	NA, OK, Satisfactory, Very Good, Excellent
	Overall, the NARST presentations I attended were:	NA, OK, Satisfactory, Very Good, Excellent

	The Awards Luncheon and the food served at the luncheon were:	NA, OK, Satisfactory, Very Good, Excellent
	Overall, the NARST conference was:	NA, OK, Satisfactory, Very Good, Excellent
	The information I received from NARST to help me prepare for proposal submission from the Program Committee and the NARST proposal submission Web were:	NA, OK, Satisfactory, Very Good, Excellent
	The NARST conference program book was:	NA, OK, Satisfactory, Very Good, Excellent
	Overall, the conference program was:	NA, OK, Satisfactory, Very Good, Excellent
	Overall, the conference venue was:	NA, OK, Satisfactory, Very Good, Excellent
	Overall, the food available at the conference was:	NA, OK, Satisfactory, Very Good, Excellent
	The accessibility and the quality of the conference rooms was:	NA, OK, Satisfactory, Very Good, Excellent
	The parts I liked BEST about the NARST Annual International Conference and aspects you would like to see retained next year include:	<Open text response>
	The parts I liked LEAST about the NARST Annual International Conference and aspects you would like to see changed for next year include:	<Open text response>
Long-Range Conference Planning	NARST is the main professional conference in my field, and I try to attend it every year.	SD, D, N, A, SA
	I prefer the NARST annual conference to be in a large urban center.	SD, D, N, A, SA
	I prefer the NARST annual conference to be in a resort-like setting.	SD, D, N, A, SA
	Travel costs are important to me. I prefer the NARST annual conference to be in a city close to an airport hub with inexpensive direct flights.	SD, D, N, A, SA

	Lodging costs are important to me, so I prefer the NARST annual conference to be in a location with inexpensive hotels.	SD, D, N, A, SA
	Food costs and types of food available are important to me, so I would like the NARST annual conference to be in a location with inexpensive variety of food and drink.	SD, D, N, A, SA
	I prefer the NARST annual conference to be in a location with a variety of hotels to choose even though this could raise conference registration fees.	SD, D, N, A, SA
	I prefer the NARST annual conference venue to be family friendly, self-contained.	SD, D, N, A, SA
	I prefer the NARST annual conference site to afford opportunities for walking and running.	SD, D, N, A, SA
	It is important to me that the NARST annual conference venue affords a variety of restaurants, museums, shopping, culture and nightlife.	SD, D, N, A, SA
	It is important to me that the NARST annual conference is linked geographically with AERA conferences in the same city.	SD, D, N, A, SA
	It is important to me that the NARST annual conference is linked geographically with NSTA conferences in the same city.	SD, D, N, A, SA
	It is important to me that the NARST annual conference coincides with AERA conferences in March or April.	SD, D, N, A, SA
	It is important to me that NARST annual conference coincides with NSTA conferences in March or April.	SD, D, N, A, SA
	It makes no difference to me whether the NARST annual conference is scheduled immediately either before or after AERA conferences.	SD, D, N, A, SA
	It makes no difference to me whether the	SD, D, N, A, SA

	NARST annual conference is scheduled immediately either before or after NSTA conferences.	
	I prefer the NARST annual conference to be in June/July/August.	SD, D, N, A, SA
	I prefer the NARST annual conference to be in Sept/Oct/Nov.	SD, D, N, A, SA
	I would welcome the opportunity to travel to the NARST annual meeting at a venue outside the USA or Canada.	SD, D, N, A, SA
	I prefer that the NARST annual meeting avoids religious observances/holidays.	SD, D, N, A, SA
	Religious holidays are not an important concern for my attendance at the NARST annual meeting.	SD, D, N, A, SA
Attendance at Specific Events/Satisfaction	Did you attend a Pre-Conference Workshop? Yes → Which one? Yes → Comments:	Yes, No List of workshops <Open text response>
	Did you attend a Plenary Session? Yes → Which one? Yes → Comments:	Yes, No List of plenary sessions <Open text response>
	Which session types did you attend?	Pre-Conference workshop Membership Meetings Plenary Panel Paper Session General Poster Session Paper Symposia Poster Symposia Committee Meetings SIG Meetings Strand Meetings Coffee/Tea Break
	Of the above types of sessions, which did you like best and why?	Pre-Conference workshop Membership Meetings Plenary Panel

		<p>Paper Session General Poster Session Paper Symposia Poster Symposia Committee Meetings SIG Meetings Strand Meetings Coffee/Tea Break</p> <p><Open text response></p>
	<p>Of the above types of sessions, which did you like least and why?</p>	<p>Pre-Conference workshop Membership Meetings Plenary Panel Paper Session General Poster Session Paper Symposia Poster Symposia Committee Meetings SIG Meetings Strand Meetings Coffee/Tea Break</p> <p><Open text response></p>
	<p>What types of sessions (including any not mentioned above) would you like to see more of in the future and why?</p>	<p>Pre-Conference workshop Membership Meetings Plenary Panel Paper Session General Poster Session Paper Symposia Poster Symposia Committee Meetings SIG Meetings Strand Meetings Coffee/Tea Break Other: <open text response> <Open text response></p>
	<p>Did you attend the Presidential Reception? Yes → How would you rate the venue of the PR? Yes → How would you rate the food at the PR? Yes → How would you improve the PR?</p>	<p>Yes, No NA, OK, Satisfactory, Very Good, Excellent NA, OK, Satisfactory, Very Good, Excellent</p>

		<Open text response>
	<p>Did you attend the Awards Luncheon? Yes → How would you rate the venue of the AL? Yes → How would you rate the food at the AL? Yes → How would you improve the AL?</p>	<p>Yes, No</p> <p>NA, OK, Satisfactory, Very Good, Excellent</p> <p>NA, OK, Satisfactory, Very Good, Excellent</p> <p><Open text response></p>
	<p>Repeat this question sequence for each of the event types...</p> <p>Pre-Conference workshop</p> <p>Membership Meetings</p> <p>Plenary</p> <p>Panel</p> <p>Paper Session</p> <p>General Poster Session</p> <p>Paper Symposia</p> <p>Poster Symposia</p> <p>Committee Meetings</p> <p>SIG Meetings</p> <p>Strand Meetings</p> <p>Coffee/Tea Break</p>	
Technology	<p>What types of technologies would you like to see employed in future conferences?</p>	<p>Conference app</p> <p>Social media</p> <p>Presentation technologies</p> <p>Other: <open text response></p>
	<p>How do you engage with the NARST community online?</p>	<p>Facebook</p> <p>Twitter</p> <p>Youtube</p> <p>Emails</p> <p>Listserves</p> <p>NARST e-newsletter</p> <p>I do not keep up with NARST online</p>
NARST community	<p>In what ways do you participate in NARST?</p>	<p>NARST Board</p> <p>NARST Committee Member</p> <p>NARST Strand Coordinator</p> <p>NARST SIG Group Leadership</p> <p>NARST conference proposal reviewer</p> <p>NARST conference presenter</p>

		None of the above
Career Development	In what ways do you see NARST contributing to your career development?	<Open text response>

Charge 3- Develop a proposal for offering services to NARST members outside the annual conference

The Membership committee addressed this charge by hosting a series of writing retreats outside of the meeting time for NARST members.

In a joint effort by the PAC and the Membership committees we propose a series of three Virtual Writing retreats for the members of NARST. This effort is in response to a task assigned by the NARST board to the Membership Committee.

The first retreat will occur on September 30th from 9 am- 11 am EST. The retreat will be a virtual Zoom webinar hosted by Felicia Mensah. All of the membership will be invited but asked to RSVP via a webinar embedded form to collect information on who will be attending the retreat and their writing needs. Currently there are 92 members registered for the retreat. Please see the flyer for the retreat below. Hosted by the PAC and Membership Committee- Felicia Mensah, Deena Gould, Dante Cisterna, and Selina Bartels.

Membership Sponsored Sessions at NARST Meeting Sub Committees

Mentor/Mentee	Writing	Early Career
Reanna Roby	Felicia Mensah	Alison Riley Miller
Sule Aksoy	Mark Newton	KC Busch
Shirly Avargil	Elizabeth de los Santos	Selina Bartels

It should be noted that the Writing session has joined up with the PAC to host a pre conference session together. This session was submitted by the PAC. The other two sessions were submitted by the Membership Committee, see below for submissions.

Early Career Faculty Forum – Pre-Conference Workshop

Title: Early Career Faculty Forum

Organizers: Alison Riley Miller, KC Busch, Selina Bartels

Description: The membership committee hosts an annual Early Career Faculty Forum. This year the forum will use a panel approach to introduce junior faculty members and post-doctoral fellows to peers, recently promoted colleagues, and prominent scholars. The forum will focus on the nuances of succeeding during the early career years as a faculty member. Our discussions will include issues of developing and maintaining a research agenda (e.g., publications & grant writing), adhering to teaching responsibilities, and effective ways for engaging in meaningful service experiences. In addition, the forum

will explore many of the challenges of transitioning into new professional roles and maintaining balance in your life in the process. The Early Career Faculty forum will provide participants with a detailed examination of the many small nuances that impact the successful navigation of early faculty careers in science education. Following the panel, attendees will have the opportunity to participate in round table discussions for more in-depth sharing and questioning.

Fee: Free

Max Attendees: 100

Mentor-Mentee Nexus – Administrative Session

Title: Mentor-Mentee Nexus

Organizers: ReAnna Roby, Shirly Avargil, Sule Aksoy

Description: The membership and elections committee hosts an annual Mentor-Mentee Nexus. This session serves as a context for those first time attendees, or those relatively new, to NARST (i.e. Mentee) to interact with more experienced NARST members (i.e. Mentor). Session leaders facilitate the introduction of mentors and mentees by identifying and matching interested parties, creating an environment that supports communication among mentors and mentees, and monitors and evaluates mentor and mentee needs with respect to the NARST session. During the session, Mentors provide insight regarding topics of interest to the Mentee by either providing answers to Mentee questions or helping the Mentee identify an appropriate source of information. During the session, Mentees locate their Mentor and in a small group share questions, concerns, and insights with their Mentors and other Mentees.

NARST-NSTA Liaison Report Part A

As noted for the Fall 2019 board report, the period from the annual NARST conference to the fall board meeting is often reasonably slow for the Liaison position. However, in many ways the conditions of the pandemic have made some aspects of the position busier in this time period this year.

i) I was scheduled to attend the Annual NSTA Conference in Boston was cancelled because of Covid-19. Apart from the NARST sessions arranged for that conference I had also arranged:

a) with NSTA to order and provide “NARST Member” stickers (that append to the nametag, a common practice at NSTA for identifying membership in various groups). This was cancelled, but will be arranged for NSTA Chicago in this coming year.

b) a “front of exhibit hall” NARST sitting/phone charging area to promote knowledge of NARST in NSTA Conference attendees.

c) for three bulletin boards to be placed in the area of (b) so that teacher-oriented posters of the Research Worth Reading papers from this year could be created (with the authors and my sub-committee) and put up in that prominent space. Those bulletin boards were also going to be used to promote the NARST sessions at the NSTA conference.

d) for space and scheduled time for a “business meeting” for NARST presenters at the NSTA national conference so we could discuss the presentations and what worked/didn’t work with the attendees. I intended on providing snacks and drinks. I was also going to do a post-conference NARST presenter survey to determine some basic metrics about their attendance at the meeting and the audience who attended and what questions they asked (if any).

e) I was also scheduled to present workshops at that conference.

(a) to (d) was to be funded out of the NARST-NSTA Liaison budgeted funds, but all costs were negated when the conference was cancelled.

ii) Proposals for NARST members for presentation at NSTA (submitted to NARST in August 2019) were adjudicated, finalized and submitted to NSTA for the fall ’20 area conferences (see (iii)) and their national conference in ’21.

iii) The Oct-Nov ’20 NSTA “area” conferences (at which we had 6 NARST presentations) are no longer being held this fall because of Covid-19, they were cancelled mid-summer. There was some discussion about making them virtual, but they were outright cancelled and replaced with a single NSTA virtual conference event called “NSTA Engage”. This conference was announced

in early September and I did not receive any notification or query about whether any NARST members might want to present. I have nothing official about how presentations were determined for that conference.

iv) This year's NSTA Summer Congress (with NSTA Board executive, Council, State science education leadership, and the Alliance of Affiliate members) was held for 1 week in July "virtually". I attended and participated in discussions on NARST's behalf at that conference for scheduled sessions. [The one issue that arose that might have required official NARST input was voted down. I communicated with NARST President and relevant committee members prior to the vote to elicit NARST's position and comments on the issue prior to the vote.] NSTA had plans for this conference to be held "virtually" prior to the pandemic. I'll note that the Summer Congress has traditionally been the one opportunity that there was for the NARST Liaison to meet NSTA Executive face-to-face. I pointed this out at the AoA meeting and advocated strongly (to the NSTA Past President, who is the Board rep for the AoA) to have a formal meeting of AoA members at their national conference. This point was supported and may solve the "getting to know the NSTA Exec" problem going forward.

v) I attended a "virtual" STEM conference hosted by NSTA in mid-Summer. I communicated about that conference, the success of it as was communicated to me, and the organization of it, to the NARST President in case such information became relevant to NARST in future discussions. It appeared to be a reasonably successful conference with 1500+ attendees.

vi) NSTA is formally searching for a new Executive Director.

vii) The new NSTA Research Director (my counterpart at NSTA) has changed from Norm Lederman to Cynthia Crockett. I will meet her for the first time at their national conference in Chicago '21 if that conference is held (as is currently the plan), and if my university supports my traveling internationally at that time (which it may not).

viii) I have participated in NSTA Board/Council/AoA conference calls as I have been able to (there are conflicts with other commitments at times).

ix) A new list of "descriptions" for the proposals for NARST presentations at NSTA conferences in forthcoming years (for the NARST submissions this summer) was included in this year's call for proposals. Next on the subcommittee's list is determining a new rubric to go with these new parts of the proposals. The new proposal details being requested were in large part asking more specifically for aspects already in the rubric we were using, but which many proposals did not include.

x) I have actively worked with other members of the Research Impact Sub-Committee - in a group headed by Joe Taylor -- to conduct a bibliographic research project on representations of science education (and other) research in NSTA practitioner journals (and Science Activities). We collectively analyzed 4 years of 4 journals and our analysis

and implications of that was proposed as a paper presentation for the upcoming NARST annual conference. An earlier version of the research was published as a reviewed abstract in the Journal of the Canadian Association for Curriculum Studies.

Respectfully submitted,
G. Michael Bowen
NARST-NSTA Liaison

2020 OCT BOD NSTA Liaison to NARST Report Part A

Intro/Summary:

The National Science Teaching Association (NSTA) is a key ambassador to bridging the gap between research and practice, investigation and implementation, status quo and change. Dissemination of research on current practice, out-of-the-box ideas, access and equity for all supports our educators of science in guiding students in the pursuit of understanding their world through science.

As the new Division Director for Research in Science Education for NSTA my hope is that NSTA in conjunction with NARST can make relevant research and studies available to the practitioner audience (teachers, educators of science) in a usable, readable format for informative. If we conduct studies in science education for the purported purpose of "improving" science education in the US, it is imperative that those results are then published in journals that are accessible to those in the classroom, and in a written format that doesn't require an advanced degree in statistics and several hours of reading/digesting time each day. Between the efforts of both NSTA and NARST, working together, we are here to serve practitioners of science education and teaching. If we only publish results of studies to fellow researchers, it is difficult to inform the broader science education community of those that can and do make a difference in the classroom.

Activity:

Reconvening of the NSTA Committee on Research in Science Education is getting underway under a new Division Director. The Committee will review possible directions to pursue as well as collaborations to pursue with NARST.

Future collaboration:

I look forward to, along with Mike Bowen (NARST liaison to NSTA), working toward renewing the partnership between NSTA and NARST truly for the betterment of science education and supporting our (the nation's) educators of science as best we can towards the goal of serving our teachers and students of science.

Possible collaboration ideas to explore (with discussion with the NSTA Committee on Research in Science Education) can include future joint symposia on relevant issues, studies, and findings that impact science education and future coordination of conference venues in 2023 and 2024 as well as aligning "themes" of conferences between the two organizations.

Given the recent pandemic and simultaneous rapid shift to remote/virtual learning that the entire K-16 science education community has experienced, lessons and strategies learned as we progress through this time of change in learning would be beneficial to bring to the fore and share with the broader community.

MOU with NSTA:

Finally, the MOU between NSTA and NARST needs to be revisited and clarified. This will need to take place with the NARST liaison to NSTA along with the NSTA Executive Director, Presidential chain, and the Board of Directors. Updates on this will be presented to NARST at a future date.

Financial Report:

Not applicable at this time.

Cynthia Crockett
NSTA Liaison to NARST
Harvard-Smithsonian Center for Astrophysics

2020 OCT BOD Personnel Evaluation Committee Report

Part A

Time period: March, 2020 – September, 2020

Prepared and submitted by President-Elect, Renee' Schwartz

Committee members: Renee' Schwartz (chair), Tali Tal, Senay Purzer, Alejandro Gallard

Activities.

- The PEC met virtually to discuss the annual review procedures for the Executive Director. We also discussed procedures to review the Management Company (Virtual) and the Program Data Manager (Paul Kemp). It was determined that for the ED (Helen Lemay), we request an updated document from her submission last year. The President-elect (Schwartz) is leading the review of the ED. The Directors were sent the rubric for the ED with the request they submit an independent review. Upon receipt of the Directors' ratings, a summary will be written and shared with the Directors during the October Board meeting.
- The Immediate Past President (Tal) is leading a pilot annual review of the Program Data Manager.
- The ED (Lemay) is leading a pilot annual review of the Management Company.
- The procedures for conducting annual reviews of the Management Company and the Program Data Manager will be examined, revised as needed after this pilot run.

2020 OCT BOD Publications_Advisory_Committee_Report_Part A
Report Period: after March 2020 Board meeting to October Board meeting

Committee Roster

Board Liaison

(23) Knut Neumann IPN – Leibniz Institute for
Science and Mathematics
Education

Committee Leadership

(21) Deena Gould (chair) University of New Mexico
(23) Shakhnoza Kayumova University of
Massachusetts Dartmouth

Members:

(21) Heidi Carlone UNC Greensboro
(21) Amanda (Mandi) Berry Monash University
(21) Jeanne Brunner Umass Amherst
(22) Allison Antink-Meyer Illinois State University
(22) Kyungjin Cho Pennsylvania State
University
(22) Shuly Kapon Technion, Israel Institute of
Technology
(22) Ibrahim Yeter Purdue University
(23) Tina Cheuk California Polytechnic
(23) Dante Cisterna Education Testing Service

JRST Co-Editors:

- (·) Felicia Mensah Moore, Teachers College Columbia University
- (·) Troy Sadler, University of North Carolina at Chapel Hill

Ex-Officio:

- (·) President, Eileen Parsons, University of North Carolina at Chapel Hill
- (·) Executive Director, Helen Schneider Lemay
- (·) NSTA Research Director, Cynthia D. Crockett,
Harvard-Smithsonian Center for Astrophysics
- (·) NARST Liaison to NSTA, Michael Bowen, Mt. Saint Vincent University

Activity Report

Activity 1: Zoom Meetings

Held several zoom meetings with Chair, Co-Chair and Board Liaison

- to clarify role of board liaison, chair and co-chair
- to clarify actual policies and procedures of the PAC
- to explore potential ways of improving procedures (e.g. NSTA Research Worth Reading Award)
- to decide on how to proceed with PAC sponsored sessions at NARST

Activity 2: NARST Policies and Procedures

- Since the Coronavirus pandemic had created some chaos in the process of updating the p&p's prior to the March Board Meeting, worked with Chris Siry (former Board Liaison) to get updates into the p&p's to reflect current practice

Activity 3: Handbook

- Worked with Chair and Co-Chair to update NARST Handbook to align with updates to the p&p's and current procedures
- Worked with Chair and Co-Chair to set up a repository to contain information used in running PAC business (e.g. mailings to NARST listserv)

Activity 4: NARST 2021 Conference Planning/Preparation

- Discussed and decided with Chair and Co-Chair to not submit a PAC sponsored pre-conference workshop on scholarly writing, but instead team up with the membership committee to offer a joint workshop and writing retreat(s) (see activity 5).
- Coordinated with JRST co-editors to submit JRST administrative session on Publishing, Reviewing, and Writing for JRST. JRST co-editors will be responsible for the administrative session
- Submitted PAC-sponsored session developed by Shakhnoza Kayumova, Tina Cheuk and Dante Cisterna-Albuquerque on how to get your research published in science education journals with a panel of highly ranked editors from a range of scholarly journals
- Coordinated with NSTA Research Director and NARST Liaison to NSTA to submit Research Worth Reading administrative session

Activity 5: Writing Retreat(s)

- In a joint effort by the PAC and the Membership committees, three virtual writing retreats for the members of NARST have been organized. The first retreat has been planned and will occur on September 30th from 9 am - 11 am EST. The retreat will be hosted virtually on Zoom. All NARST members were invited. 87 members had registered as of Sept. 22, 2020. The PAC and Membership committee members will survey the participants of the first retreat, evaluate the first retreat, and organize two additional writing retreats that respond to the needs of the NARST members. The second writing retreat is planned for the week of Nov.

9th and the third writing retreat is planned as a pre-conference workshop for the annual conference the week of April 6th. Hosted by the PAC and Membership Committee- Felicia Mensah, Deena Gould, Dante Cisterna, Selina Bartels, and Shakhnoza Kayumova.

Activity 6: eNARST News

- Engaged in a discussion with NARST Executive Director about a new eNARST news initiative and the specifics of the PAC's role in this initiative

NARST Research Committee Board Report
Fall 2020

PART A

1. Research Committee:

a. Current membership, affiliation, and emails:

Board Liaison	(21) Jennifer D. Adams	University of Calgary	
Chair	(21) Tina Vo	University of Nevada - Las Vegas	
Co-Chair	(22) Asli Sezen-Barrie	University of Maine	
Secretary			
NSTA-Liaison	(21) Michael Bowen	Mount Saint Vincent University	
Members:			
	(21) Abdi Warfa	University of Minnesota	
	(21) Carina Rebello	Purdue University	
	(21) Banu Avsar Erumit	Recep Tayyip Erdogan University (Turkey)	
	(21) Kelsey Lipsitz	EXPLORATORIUM	
	(22) Li Ke	University of North Carolina at Chapel Hill	
	(22) Ling L Liang	La Salle University	
	(22) Yann Shiou Ong	National Institute of Education, Nanyang Technological University, Singapore	
	(22) Marcus Kubsch	IPN (Kiel University)	
	(22) S. Selcen Guzey	Purdue University	
	(23) Rouhollah Aghasaleh	Georgia State University	
	(23) Lori Andersen	University of Hawaii at Manoa	
	(23) Narendra Deshmukh	Tata Institution of Fundamental Research	
	(21) Patricia Patrick	Columbus State University	
Volunteers:			
	Joshua Reid	Middle Tennessee State University	
	Anne Leak	High Point University	
	Kader Bilicoin	Kirikkale University (Turkey)	
	Kate Walker	University of Arkansas	
	Cathy LaChapelle	Visiting Assoc Prof Boston College	
	Ezgi Yesilyurt	University of Nevada - Las Vegas	
	(20) Jennifer Parrish	Univeristy of Northern Colorado	
SUB COMMITTEES			
Researcher Development	Research to Practice	Research Impact	Research Networks
C: Joshua Reid (Vol.)	C: Mike Bowen ('21)	C: Abdi Warfa ('21)	C: Ling Liang ('22)

Co-C: Li Ke (22)	Co-C: Kelsey Lipsitz ('21)	Co-C: Marcus Kubsch (22)	Co-C: Yann Shiou Ong (22)
Tina Vo ('21)	Banu Avsar Erumit ('21)	Selcen Guzey (22)	Lori Andersen (23)
Li Ke (22)	Yann Shiou Ong (22)	Cathy LaChapelle (Vol.) ?	Carina R. ('21)
Kelsey Lipsitz (21)	Lori Andersen (23)	Asli Sezen-Barrie ('22)	
Jennifer Parish (Vol)	Jennifer Parish (Vol)	Carina Rebello (21) ?	

2. Pre-Conference Workshops:

- a. The Research Committee put out the call for pre-conference workshops via the NARST website. Ten proposal were received for the 2021 conference. This review was handled by the Researcher Development Sub-Committee
 - i. Joshua Reid and Li Ki are leading the review process.
 - ii. The selected workshops (4) are listed below (In alphabetical order by first authors' last name):
 1. (Killen) **Integrating Computational Thinking (CT) into Elementary Science Online and Face-to-Face: How to run a successful PD for pre-service and in-service teachers with a proven framework, tech tools, and strategies**
 2. (Mikeska) **Pushing the Boundaries: Exploring the Potential of an Online Practice Suite to Support Elementary Science Teachers in Learning How to Engage Students in Argumentation**
 3. (Sorge) **Rethinking how you understand your data with R**
 4. (Upadhyay) **Science education, a public good for the good of the public: Indigenous science education and research as place-based knowledge in the pandemics era of COVID-19**
- b. Other Pre-Conference Workshops that should be **automatically accepted**
 - i. Membership Committee Pre-Conference Workshop
 - ii. Equity & Ethics Committee Pre-Conference Workshop
 - iii. LaRIG Pre-Conference Workshop
 - iv. ISK Pre-Conference Workshop

See **Appendix A**

3. Administrative/Sponsored Sessions:

- a. The Research Committee Administrative Session- **A Retrospective of the Abell Institute for Doctoral Students: Mentorship within the NARST community**
- b. The Contemporary Methods RIG Sponsored Session- **Supporting and Advancing Science Education Research Practice through Community Discussions**
- c. Membership Committee Administrative Session- **Mentor-Mentee Nexus**
- d. **2019 Sandra K. Abell Institute for Doctoral Students NARST 2021**

See **Appendix B**

4. Abell Institute:

- a. A call for proposals for the 2021 SKAIDS was sent out to the membership across the NARST listserv. As of the presentation of this report, there were no applications to host Abell this year, likely due to the current COVID-19 challenges.

5. NARST Sponsored Sessions for NSTA:

- a. Information has been requested but has not been shared. This is impart due to communication issues around COVID-19

6. NARST Liaison Position to NSTA:

- a. Michael Bowen has requested to serve a 2nd (final and optional), 3 year term. Which will begin after the NARST conference in April of 2021

7. Research Interest Groups Reports:

- a. Annual Reports
 - i. CADASE
 - ii. Engineering RIG
 - iii. ISK RIG
 - iv. LARIG
 - v. METHODS RIG

See **Appendix C**

- b. 3rd Year report
 - i. ISK RIG
 - ii. LARIG

See **Appendix D**

2020 October BOD Website Committee Report

Part A

Report Period: After conference and pre-October Board meeting

Financial Report

President-Elect Allocation: none

Expenses: none (see motion to approve NARST email lists)

Activity Report

Activity 1: Held zoom meetings between board liaison, chair and co-chair

- Discussed understanding, needs, and strategies for three charges related to worksite repositories, website content and social media. Also discussed the status of the NARST listserv. Determined that the listserv situation is ok. The old listservs will be 'sunset' away.
- Met with Paul Kemp to determine the current status of the NARST website and software and to get advice on organization.

Activity 2: Proposed the need for implementing email lists of committee members

- Was approved for the year. Will need to be part of the three charges and proposals.

Activity 3: Designed and implemented a survey to determine the Board and Committees needs to the three charges.

- Designed, implemented and received the results of the survey.
- Analyzed the outcomes of the survey to determine direction of the charges.

Activity 4: Revised NARST handbook language

- Updated the role of the committee to include repository work and social media.

Activity 5: Writing proposals for three committee charges

- Constructed and revised plans for the three committee charges
- Determine more specific repository and social media needs for committees.
- Likely need a communications manager to manage social media and website content. Suggest an intern or person with rules drafted for this purpose.
- Working with Paul Kemp and Freelock to determine software needs and budget costs for changes required to meet the three committee charges. Still waiting to determine those costs to make a proposal.

WEBSITE COMMITTEE 2020-2021

Board Member Liaison

(23) Christina Schwarz Michigan State University

Committee Leadership

(21) Katherine Wade-Jaimes (Chair) University of Memphis

(22) Lisa Lundgren (Co-Chair) Utah State University

Members:

(22) Minjung Ryu Purdue University

(22) Nazihan Ursavas Erdogan University

(23) Sharona T. Levy University of Haifa

(23) Jaclyn Murray Augusta University

(23) Len Annetta East Carolina University