

Republika ng Pilipinas  
(Republic of the Philippines)  
MINISTERI NG PANGALAYAN, KULTURA AT ESPORIS  
(DEPARTMENT OF EDUCATION, CULTURE AND SPORTS)  
Manila

August 28, 1984

MEMORANDUM  
No. 159, s. 1984

1984-1985 SEARCH FOR THE OUTSTANDING YOUTH SCIENCE  
RESEARCHERS (TOYS)

To: Bureau Directors  
Regional Directors  
Schools Superintendents  
Presidents, State Colleges and Universities  
Jacks of Private Schools, Colleges and Universities  
Vocational School Superintendents/Administrators

1. The National Science and Technology Authority, through the Science Promotion Institute (SPI/NSA), and the Ministry of Education, Culture and Sports (MECS) are holding the 1984-1985 Search for The Outstanding Youth Science Researchers (TOYS) through a series of science fairs and science quizzes - local/municipal, provincial/city division, regional and national stages.
2. The theme of this Search is "Developing the Youth's Hands and Minds for Productivity and Self-Reliance" with focus on the development and utilisation of forest, fishery, mineral, food and agricultural resources and solution to energy, health, nutrition and environmental issues.
3. The enclosed scheme of conduct and general guidelines should serve as source of information and guidance in the implementation of the activity in all stages.
4. Details of implementation at each stage should be worked out by the NSTA regional officers/SPI representatives with the Regional Directors of the MECS.
5. Regional and division science supervisors, science club advisers, science club members and students are hereby requested to extend cooperation and support to the SPI/NSA representatives. Attend and actively participate in the 1984 TOYS Search for TOYS. Travel expenses incident to the participation of those concerned in the local/municipal, provincial/city division, and regional science fairs and science quizzes shall be charged against local funds, subject to the availability of funds and the usual accounting and auditing rules and regulations. Travel expenses incident to the participation of those concerned in the national level shall be charged against NSTA funds.
6. It is desired that the contents of this Memorandum be widely and immediately disseminated.

(SGD.) JAIME C. LAYA  
Minister

Notes:  
As stated

Reference:

NECS Memorandum: No. 187, p. 1808

Allotment: 1-2-3-4--(D.O. 1-76)

To be indicated in the Expenditure Index  
under the following subjects:

BUREAUS & OFFICES  
SCIENCE EDUCATION  
COMMUNITY IMPROVEMENT  
FUNDS  
OFFICIALS  
STUDENTS

1984 National Science Club Month (NSCM) Celebration

GENERAL GUIDELINES

II. PROGRAM OF ACTIVITIES

A. General Theme and Weekly Focuses

In line with the thrust of the New Republic, the 1984 National Science Club Month Celebration will have the following general theme and weekly focuses:

- General Theme : PRODUCTIVITY AND SELF-RELIANCE: THE SCIENCE CLUB WAY
- Focuses :
- First Week - Science Club in Service to the Community
- Second Week - Science-Math Education on the March
- Third Week - Manpower Development: The Science Club Way (for Science Club Members)
- Fourth Week - Manpower Development: The Science Club Way (for Science Club Managers) And Recognition Rites for the Science Club Movement

B. National Level Activities

1. The Director of SET is the over-all coordinator of the 1984 NSCM Celebration.
2. Major activities in the national level will be held in cities/towns outside Metro Manila in order to involve the greater number of clientele and reach-out the bigger cross section of the populace in the grassroots level. These activities are the following:

a. First Week -

- 3 September - Science Clubs in Service to the Community  
Venue: NSCS Regional Learning Center  
Trece Martires, Cavite
- 7 September - Science Clubs in Service to the Community  
Venue: Abucay, Batangas
- Courtesy Call to the President  
Venue: Malacañang, Manila

b. Second Week -

- 10-11 September - PYSO National Leadership & Value Development Seminar-Workshop  
Venue: Karlos Foundation Professional Development Center  
Talisay, Batangas
- 12-13 September - Venues: SUDOCAPP  
Pt. Bonifacio, Metro Manila

- 14 September - Philippine Mathematics Olympiad Finals  
Team Competition (NCR)

c. Third Week -

17-21 September

- Computer Training for Beginners  
Venue: I.C.I.

- Science Journalism Workshop  
Venue: I.C.I.

d. Fourth Week -

23-26 September

- Seminar/Workshop for Key Implementors  
In Research Design and Conduct of  
Investigatory Project for Science  
Club Advisers/Rank Advancement  
Program Workshop  
Venue: Teachers' Camp  
Baguio City

26-28 September

- Sighan/Special Sighan Finals  
Venue: Teachers' Camp  
Baguio City

29 September

- 1984 PSCM Closing Ceremonies  
Venue: Teachers Camp  
Baguio City

C. Regional Level Activities

1. First Week

- SCIENCE CLUBS IN SERVICE TO THE  
COMMUNITY

- Opening Ceremonies

- Laked Aghan

- Science Clubs In Service to the  
Community

- Science Sports Fest

- Poster/Sighan Making Contest

- Beautification and Cleanliness  
Drive

2. Second Week

- SCIENCE-MATH EDUCATION ON THE MARCH

- Local FOYS

- Science & Technology Exhibits

- Appropriate Technology Workshop

3. Third Week

- MANPOWER DEVELOPMENT: THE SCIENCE  
CLUB WAY (for Science Club Members)

- Leadership & Value Development  
Seminar-Workshop for Science Club  
Members

- Local Science Camp

- Oratorical Contest

- Film Forum

- Essay Writing Contest

4. Fourth Week

- MANPOWER DEVELOPMENT: THE SCIENCE  
CLUB WAY (for Science Club Managers)  
AND RECOGNITION RITES FOR THE  
SCIENCE CLUB MOVEMENT

UNITY OF COMMAND IN IMPLEMENTATION

1. The Director of SPI or his designated representative is the over-all coordinator of the month-long NSCM celebration.
2. The NSTA Regional Coordinators shall designate the SPI NSCM Project Leader in the region as coordinator of the Science Club Month activities.
3. All other NSTA field personnel in the region shall be involved and their efforts maximized for the successful celebration of the NSCM in the region.
4. Monitoring of all activities undertaken during the month-long celebration is the responsibility of the NSTA Regional Coordinator.

II. PARTICIPATION TO NATIONAL LEVEL ACTIVITIES

A. Official SPI Sponsored Participants

1. Second Week Activity

- 1.1. PSYSC National Leadership & Value Development Seminar-Workshop
  - 13 PSYSC Regional Presidents

2. Fourth Activity

- 2.1. Seminar-Workshop for Key Implementors in Research Design and Conduct of Investigatory Projects for Science Club Advisers/RAP Workshop
  - 13 SCAP Regional Presidents/RAP Regional Implementors
  - 13 Outstanding Regional SCA (SCA Reg'l. Sigham winner)
  - 3 SCAP National Officers

2.2. Sigham/Special Sigham Awards Finals

- 5 SCM Sigham National Finalists
- 5 SCA Sigham National Finalists
- 5 Science Club President to represent SC Sigham National Finalists
- 5 Science Supervisors (Mem.) Special Sigham National Finalists
- 5 Science Supervisors (Sec.) Special Sigham National Finalists

The NSCM Project Leader in the Region will be in-charge of coordination and travel arrangements of these participants.

B. Non-SPI Sponsored Participants

1. Second Week Activity

- 1.1. PSYSC National Leadership & Value Development Seminar-Workshop

- Each region may send upon recommendation of Regional Coordinator or the Project Leader one

-Each region may send upon recommendation of the Regional Coordinator or the Project Leader three (3) outstanding science club advisors

To facilitate booking, the NSCM Project Leader in the Region is requested to notify SPT Central Office of their number of participants not later than 10 September.

III. REQUIREMENTS FOR PARTICIPATION IN NATIONAL LEVEL ACTIVITIES

1. Participants whether SPT-sponsored or non-SPT sponsored must submit the following upon registration.
  - a. Application Form (NSCM Form 1)
  - b. Certificate of Parental Consent (NSCM Form 2)
    - for science club members only
  - c. Medical Certificate (NSCM Form 3)
  - d. Recommendation of Regional Coordinator or Project Leader
    - for non-SPT sponsored participants
2. Non-SPT sponsored participants will be charged the following amount for board and lodging and registration
  - a. PBYSC National Leadership & Value Development Seminar-Workshop - P600.00
  - b. Seminar-Workshop for Key Implementers in Research Design and Conduct of Investigatory Project/RAP Workshop P600.00

IV. GENERAL REQUIREMENTS FOR PARTICIPANTS

For all participants to Seminar-Workshop and the Sigban/Special Sigban Finals please bring the following:

1. Decent clothes for the duration of the activity. (Ladies Sigban/Finalists - strictly no wearing of pants, gentlemen - dark pants and barong tagalog)
2. Informal clothes (pants for ladies are acceptable)
3. umbrellas, sweaters, jackets
4. notebook and writing materials
5. toilet articles
6. Regional Banners for each region

V. TRAVELERS FOR SPT SPONSORED PARTICIPANTS

1. Traveling expenses from residence to the NSCM venue. Maximum allowable Taxi fare - P40.00  
Students/teachers must avail of students/teachers discount privileges. Only expenses supported by tickets and RCR forms will be reimbursed by the SDC.
2. Board and lodging
3. Materials for the Seminar-Workshop

VII. TRAVEL SCHEDULE GUIDE FOR PARTICIPANTS

- A. PSYSC National Leadership & Value Development Seminar-Workshop
- Participants must be in PFAI Compound, Bicutan, Taguig at 7:30 A.M. of 10 September to be transported to Talisay, Batangas.
- B. Seminar-Workshop for Key Implementors In Research Design and Conduct of Investigatory Projects for SCA/RAF Workshop.
- Participants must be at Teachers' Camp, Baguio City noon of 23 September for registration.
- C. Sigham/Special Sigham Finals
- Finalists who are not attending the seminar-workshop for the week should arrive in the afternoon of 26 September for Orientation.

Specific Program of Activities will be given to all participants upon registration.

(SGD.) JOSE L. SUERRERO  
 Director, SPI and  
 Special Assistant to the  
 ESTA Director-General for  
 Regional Operations

Republic of the Philippines  
SCIENCE PROMOTION INSTITUTE  
PTRI Bldg., Bicutan, Taguig, Metro Manila

SCHEME OF CONDUCT AND GENERAL GUIDELINES FOR  
THE 1984-1985 SEARCH FOR THE OUTSTANDING  
YOUTH SCIENCE RESEARCHERS (TOYS)

THEME: "DEVELOPING THE YOUTH'S HANDS AND MINDS FOR PRODUCTIVITY AND SELF-RELIANCE"

I. General Information:

The Science Promotion Institute/National Science and Technology Authority (SPI-NSTA), together with the Ministry of Education, Culture and Sports (DECS), announce the 1984-1985 Search for The Outstanding Youth Science Researchers (TOYS) through the holding of a series of Science Fairs and Science Quizzes - local/municipal, provincial, regional and national levels.

The science fair is a public presentation of investigatory projects undertaken by science club members. The investigatory projects exhibited by individuals or groups include research studies on the development and utilization of forest, fishery, mineral food and agricultural resources and solution to energy health and nutrition and environmental issues. In these studies, the diverse disciplines in science are interlinked to provide practical solutions to the various problems of natural resources management geared toward productivity and self-reliance.

The science fair aims not only to tap science talents with constructive and innovative creativity but also to encourage research and development among young scientists. It also helps create a conducive atmosphere for science awareness and technology utilizations among the viewing public.

The science fair is open to elementary, secondary and college science club members preferably PSYSC affiliated.

All qualified fair participants in the elementary and secondary levels, including those from the Philippine Science High School must compete starting from the lowest elimination stage of the contest.



The science quiz is a challenging mental activity which provides the youth an opportunity to develop intellectual self-reliance, critical thinking and involvement in current issues which would ultimately motivate them to pursue careers in science and technology. It focuses on indigenous sources of energy, energy conservation and utilization, health and nutrition, environmental issues and food production which are also geared towards productivity and self-reliance.

The science quiz also aims to make science education more meaningful and relevant. Scientific principles/concepts and processes in the intellectual and social interaction and experience of participants in a way contribute to their preparation as future science leaders and catalytic agents of change of our country.

The science quiz is open to all 1st, 2nd and 3rd year science club members only in the secondary level preferably PSYSC affiliated. All qualified quiz participants, including those from the Philippine Science High School must compete starting from the lowest elimination stage of the quiz.

## II. Dates and Venues of the Science Fair:

	<u>DATE</u>	<u>VENUE</u>
I. Local/Municipal	September 1984	decided by local/municipal committee
II. Provincial/City/Division	November 1984	decided by city/provincial/division committee
III. Regional	February 1985	decided by regional committee
IV. National	December 1985	decided by TOYS National Executive Council

## III. Rules and Criteria of the Science Fair:

Stage I : Local/Municipal science fair

Venue : A pre-chosen school in the municipality

Categories: Elementary and secondary

### Qualifications

All qualified entries both in the elementary and secondary

Phases:

- I - Preliminary judging/interview with project investigators
- II - Science Congress
- III - Final judging

Decision Criteria:

- 1. Must be a bonafide science club member/members preferably PSYSC affiliated.
- 2. Has/Have not taken any post-elementary school subjects (elementary group), post secondary school subjects (secondary group).
- 3. Must not have been adjudged winner in any previous national science fairs.
- 4. Must not be over 25 years of age at the time of the national science fair.

Awards :

- 1. Certificate of award to the top three (3) ranking science fair participants in both elementary and secondary level.
- 2. Certificate of recognition to the science club advisers.

Stage II : Provincial/city/division science fair

Venue : A pre-chosen school in the province/city/division

Categories : Elementary and secondary

Qualifications :

All winners in the local/municipal science fairs both in the elementary and secondary level.

Phases :

- I - Preliminary judging/interview with project investigators
- II - Science Congress
- III - Final judging

Decision Criteria :

- 1. Must be a bonafide science club member/members preferably PSYSC affiliated.
- 2. Has/Have not taken any post-elementary school subjects (elementary group), post-secondary school subjects (secondary group).
- 3. Must not have been adjudged winner in any previous national science fairs.
- 4. Must not be over 25 years of age at the time of the

### Awards

1. Cash award to each of the top three (3) ranking participants.
2. Certificates of recognition to all the winners.
3. Certificate of merit to the science club advisors.

### Stage III : Regional science fair

Venue : A pre-chosen school in the region

Categories: Elementary and secondary

### Qualifications :

All winners in the provincial/city/division science fair both in the elementary and secondary level.

### Phases :

- I - Preliminary judging/interview with project investigators
- II - Science Congress
- III - Final judging

### Decision Criteria :

1. Must be a bonafide science club member/members preferably PSYC affiliated.
2. Has/Have not taken any post-elementary school subjects (elementary group), post secondary school subjects (secondary group).
3. Must not have been adjudged winner in any previous national science fair.
4. Must not be over 25 years of age at the time of the national science fair.

### Awards

1. Cash award to each of the top three (3) ranking participant.
2. Certificate of recognition/participation of winners.
3. Certificate of merit/participation to the science club advisers.
4. Participation in the National Search for TOYS.

### Stage IV : National Search for TOYS

Venue : A pre-chosen school by the TOYS National Executive Council

Categories : Elementary, secondary and colleniate

### Qualifications :

Elementary - One (1) outstanding awardee/merit

Secondary - Two (2) outstanding awardee/merit

Phases :

- I - Preliminary judging/interview of project investigators
- II - Science Congress
- III - Final judging

Decision Criteria :

A. Elementary and Secondary Levels

- 1. Must be a bonafide science club member/members preferably PSYSC affiliated.
- 2. Has/have not taken any post-elementary school subjects (elementary group) post secondary school subjects (secondary group).
- 3. Must not have been adjudged winner in any previous national science fairs.
- 4. Must not be over 25 years of age at the time of the national science fair.

B. College Level

- 1. Must be a bonafide science club member/members preferably PSYSC affiliated.
- 2. Must not have been adjudged winner in any previous national science fairs.

Judging will consist of two (2) phases (preliminary and final).

- 1. Preliminary phase or elimination phase of the contest - write ups of all regional entries will be submitted, screened and evaluated by the Panel of Evaluators at the SPI Central Office. This phase will determine the national finalists who will compete during the National Search for TOYS.
- 2. Final phase - conducted during National Search for TOYS.

Awards :

a. Awardees :

- 1. College level - two (2) Outstanding Youth Science Researchers.
- 2. Secondary level - four (4) Outstanding Youth Science Researchers.
- 3. Elementary level - two (2) Outstanding Youth Science Researchers.

IV. Nature of Investigatory Project

A. Contents

The investigatory project must:

2. ~~demonstrates/~~ Applies a scientific principle/s on an attempt to provide a new concept.

- 3. be a result of a continuing or parallel scientific research or investigation,
- 4. have a socio-economic utility value and relevance to livelihood development; and
- 5. have an impact on the positive development of the project investigator towards science and community.

**B. Physical Specifications**

The investigatory project on display must:

- 1. have dimensions not more than 1 meter deep (front to back); 1.24 meters (side to side) and 1.5 meters high (top to bottom);
- 2. be durable with parts firmly attached;
- 3. be complete with accessories including electrical connection and extension; and
- 4. provide safety measures to viewers and participants when dangerous chemicals, explosives, poisonous specimens are used on display.

The technical write-ups and all illustrations should be contained in the space specified in no. 7. Projects physically beyond specifications may be replaced with photographs and other visual devices.

**V. Items to be submitted to the TOYS Secretariat of designated areas**

**A. Local/Municipal, Provincial/City/Division and Regional Levels**

- 1. Duly accomplished application for participation.
- 2. Certificate of parental consent and medical certificate.
- 3. Certificate of award signed by the chairman of the Board of Judges.
- 4. Five (5) copies of typewritten or mimeographed project write-ups, double spaced on 8 1/2 x 13" coupon bond, submitted one (1) week before the implementation of the local/municipal and provincial/city/division levels.
- Ten (10) copies of typewritten or mimeographed project write-ups, double spaced on 8 1/2 x 13" coupon bond, submitted two (2) weeks before the implementation of the regional level.

**B. National Level**

- 1. Duly accomplished application for participation.
- 2. Certificate of parental consent and medical certificate.
- 3. Certificate of award signed by the chairman of the Board of Judges.

- 4. Fifteen (15) copies of the project write-ups, submitted two (2) months before conduct of the National Search for TOYS for elementary and secondary levels.

Twenty (20) copies of the project write-ups, submitted four (4) months before conduct of the National Search for TOYS for college level.

VI. Privileges of Participants/Advisers to the National Search for TOYS

- 1. For all national finalists (college category), two (2) outstanding Project Investigators/Region (secondary category), one (1) Outstanding Project Exhibitor/Region (elementary category).

- a. Free board and lodging for the duration of the National Search for TOYS.
- b. Free transportation expenses round trip, from residence to the fair site supported by receipts/PER's subject to usual accounting and auditing rules.
- c. Two hundred (P200.00) pesos allowance for expenses such as taxi fares from residence to the fair site, excess baggage fees and other miscellaneous expenses.

- 2. Official science club advisers for each of the Project Investigator Awardees

- a. Free transportation expenses, round trip, from residence to the fair site supported by receipts subject to usual accounting and auditing rules.
- b. Free board and lodging for the duration of the science fair.

VII. Criteria for the Selection of the members of the Board of Judges

- 1. A university/college professor in any of the scientific disciplines.
- 2. Must be an expert in his own field of discipline
- 3. Not related up to the second degree of consanguinity or affinity to any science fair participant.
- 4. Not teaching in any school which has a fair participant.
- 5. Preferably with experience as a judge in previous science fair/s.

NOTE: In all levels of the science fair, the decision of the board of judges is final and unappealable. The board of judges may declare less winners or no winner in any of the science fair categories.

2. Official Science Quiz Trainers:

- a. Free transportation expenses, round trip from residence to quiz site supported by receipts, subject to usual accounting and auditing rules; and
- b. Free board and lodging for the duration of the science quiz.

3. Criteria for the Selection of the Members of the Board of Judges

1. A university/college professor in any of the scientific disciplines.
2. Must be an expert in his own field of discipline.
3. Not related up to the second degree of consanguinity or affinity to any science fair participant.
4. Not teaching in any school which has a fair participant.
5. Preferably with experience as a judge in previous science fair/s.

NOTE: In all levels of the science fair, the decision of the board of judges is final and inappealable. The board of judges may declare less winners or no winners in any of the science fair categories.

(SGD:) EMIL Q. JAVIER  
Chairman, FOYS National  
Executive Council