



ACS
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ACS MALAYSIA INTERNATIONAL CHEMICAL SCIENCES CHAPTER 2014 ANNUAL REPORT

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ACS Malaysia International Chemical Sciences Chapter 2014 Annual Report

DESCRIPTION OF CHAPTER:

ACS Malaysia International Chemical Sciences Chapter (also known as ACS Malaysia) was set up following an ACS-organized BOOST Trainer Institute in Bangkok, in August 2013. The Institute brought together ACS members in Malaysia and Indonesia, for training in various critical soft skills, such as publication, proposal writing, science communication, and career pathways. It was in this event that four ACS members from USM and UTM (the current ACS Malaysia Executive Committee members) met. Upon completion of the Institute, the four members then decided to set up a local ACS chapter in Malaysia, and thus, ACS Malaysia was established. The rest of the leadership team were then recruited among peers, colleagues, and contacts all over Malaysia. ACS Malaysia was officially registered with the Registrar of Societies (ROS) Malaysia on 8th February 2015 (ROS number PPM-010-01-08022015).

The principal mission of the Chapter is to provide a platform for all ACS members in Malaysia to interact with each other with following purposes:

- communicating chemistry and chemical technology effectively among the members and also with general public,
- establishing a strong and professional relationship with ACS Units, such as ACS International office and other International Science Chapters and ACS Divisions, and
- assisting the Society to accomplish its international strategic plans.

Number of Chapter Members

Approximately 240 members.

2014 Leadership Team

Chair: Dr. Lim Jit Kang
Co-Chair: Dr. Mohd Bakri Bakar
Secretary: Dr. Mohd Firdaus Abd Wahab
Treasurer: Dr. Lee Hooi Ling
Director of Publicity/Webmaster: Dr. Hasmerya Maarof
Director of Membership: Dr. Ooi Boon Seng
Auditor : Dr. Derek Chan Juinn Chieh

Regional Representative

Northern: Dr. Lim Gin Keat (USM)

Southern: Dr. Nik Ahmad Nizam Nik Malek (UTM)

Central: Dr. Hong Boon Lee (UM)

-Southern Region

Director of Industrial Linkage:

Prof. Dr. Wan Azelee Wan Abu Bakar

Director of Outreach Program:

1. PM Dr. Zaiton Abd Majid

2. Dr. Hasrinah Hasbullah

Director of Student Activity:

1. Dr. Nik Ahmad Nizam Nik Malek

2. PM Dr. Zainab Ramli

-Northern Region

Director of Industrial Linkage:

1. Prof. Dr. Abdul Rahman Mohamed

2. Dr. Leo Choe Peng

Director of Outreach Program:

Dr. Lim Gin Keat

Director of Student Activity:

Dr. Low Siew Chun

ACS University Coordinating Officer

Universiti Teknologi Petronas (UTP): Dr. Cecilia Devi Wilfred

Universiti Kuala Lumpur (UniKL): Dr. Robert Thomas Bachmann

Universiti Tunku Abdul Rahman (UTAR, KL): Dr. Lai Soon Onn

Universiti Tunku Abdul Rahman (UTAR, Kampar): Dr. Neo Kian Eang

Universiti Kebangsaan Malaysia (UKM): Dr. Nur Hasyareeda Hassan

Universiti Malaya (UM): Dr. Hong Boon Lee

Universiti Malaysia Perlis (UniMAP): Dr. Ong Hui Lin

Universiti Teknologi Mara (UiTM, Shah Alam): Dr Mohd Azri Abd Rani

Universiti Putra Malaysia (UPM): Dr Mohd Izham Saiman

Universiti Malaysia Sabah (UMS): Dr Clarence M. Ongkudon

Key 2014 Accomplishments:

1. Setting up of the Malaysia local chapter, launching event, and successful registration with the Registrar of Societies (ROS) Malaysia.
2. Inaugural Global Innovation Challenge event, made possible with the Global Innovation Grant from ACS Office of International Activities.
3. Scientific Events and Outreach Programs, made in collaboration and support from various industries and local agencies.
4. 'Chemistry as Career' Seminar by ACS International Office Officers.

ACTIVITIES HELD DURING THE YEAR:

LAUNCHING SYMPOSIUM OF THE MALAYSIA INTERNATIONAL CHEMICAL SCIENCE CHAPTER (MICSC) OF THE ACS

Event - Overview	
Name of the Event*	ACS Malaysia Chapter Launching Symposium
Brief Description*	This is the first event of MICSC, to inaugurate the setting up of the Chapter, together with a Launching Symposium by Prof. Tim Pierre from the University of Western Australia
Date Held*	24 th July 2014
First time event?	Yes
Primary Contact*	Dr Lim Jit Kang, chjtkangl@usm.my
Which strategic goal(s) from the ACS Strategic Plan does this event support?	<input checked="" type="checkbox"/> 1. Provide Information. Be the most authoritative, comprehensive, and indispensable provider of chemistry-related information. <input type="checkbox"/> 2. Advance Member Careers. Empower an inclusive community of members with networks, opportunities, resources, and skills to thrive in the global economy. <input type="checkbox"/> 3. Improve Education. Foster the development of the most innovative, relevant and effective chemistry education in the world. <input type="checkbox"/> 4. Communicate Chemistry's Value. Communicate chemistry's vital role in addressing the world's challenges to the public and policymakers.
Event Frequency*	Once
Event Partners (ACS)	-
Event Partners (Non ACS)	Universiti Sains Malaysia (USM), Penang, Malaysia IEEE Magnetics Society
Estimated Number of Volunteers	5
Estimated number of hours your volunteers spent on your section's/division's activities	2 hours
Estimated Number of Attendees	50
Estimated Total Cost (USD)	USD 800
Source of funding	USM, IEEE Magnetic Society
Event Coverage	<div>Email</div> <div>Radio: -</div> <div>Television: -</div> <div>Web</div> <div>Other -</div>
Event Promotion	Other: ACS Malaysia Facebook Page

PHOTOGRAPHS OF EVENT:

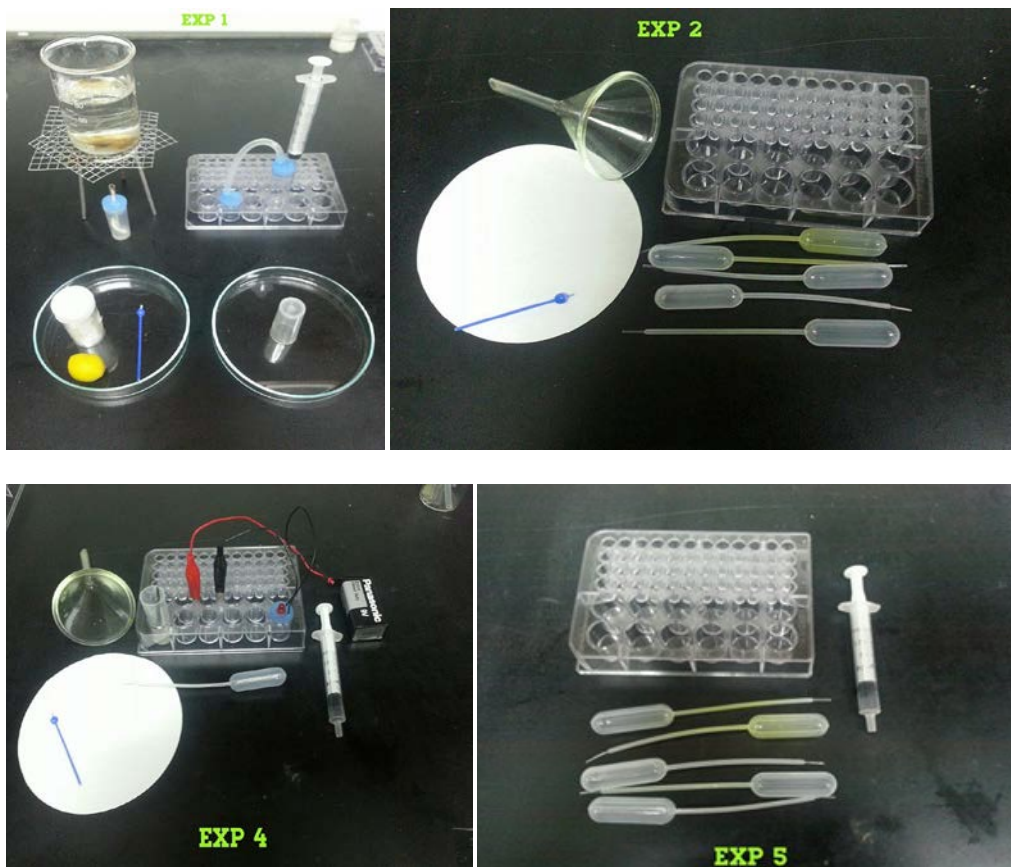


OTHER (including press coverage, if applicable):

OUTREACH ACTIVITY: USM BJIM GRANT

Event - Overview	
Name of the Event*	Outreach Activity: USM BJIM Grant
Brief Description*	To expose and educate secondary school students on the role of chemistry & sciences especially in the water-quality issues.
Date Held*	1 st August 2014 – 31 st July 2015 (one-year grant)
First time event?	Yes
Primary Contact*	Dr Lee Hooi Ling, hlee@usm.my Dr Lim Gin Keat, limgk@usm.my
Which strategic goal(s) from the ACS Strategic Plan does this event support?	<input type="checkbox"/> 1. Provide Information. Be the most authoritative, comprehensive, and indispensable provider of chemistry-related information. <input type="checkbox"/> 2. Advance Member Careers. Empower an inclusive community of members with networks, opportunities, resources, and skills to thrive in the global economy. <input checked="" type="checkbox"/> 3. Improve Education. Foster the development of the most innovative, relevant and effective chemistry education in the world. <input type="checkbox"/> 4. Communicate Chemistry's Value. Communicate chemistry's vital role in addressing the world's challenges to the public and policymakers.
Event Frequency*	Four times
Event Partners (ACS)	-
Event Partners (Non ACS)	Universiti Sains Malaysia Division of Industry and Community Penang Youth Development Corporation (PYDC)
Estimated Number of Volunteers	Six lecturers and at least five students
Estimated number of hours your volunteers spent on your section's/division's activities	Each session in high school ~ 5 hours (we targeted three high schools & one public learning center. However the planning of the event is at least six months before the outreach program kicked of.
Estimated Number of Attendees	~ Expected total of 400 participants for all the events
Estimated Total Cost (USD)	~ USD 3,600.00
Source of funding	(i) Universiti Sains Malaysia Division of Industry and Community Network Grant (BJIM) (ii) Penang Youth Development Corporation (PYDC) Fund
Event Coverage	Email Radio: - Television: - Web Other -
Event Promotion	Other: ACS Malaysia Facebook Page

PHOTOGRAPHS OF EVENT:



OTHER (including press coverage, if applicable):

INDUSTRIAL VISIT: PENCHEM TECHNOLOGIES SDN BHD

Event - Overview	
Name of the Event*	Industrial visit: PenChem Technologies Sdn Bhd, Penang
Brief Description*	A visit to the materials manufacturing industry, by members of the Chapter
Date Held*	23 rd October 2014
First time event?	Yes
Primary Contact*	Dr Lim Jit Kang
Which strategic goal(s) from the ACS Strategic Plan does this event support?	<input type="checkbox"/> 1. Provide Information. Be the most authoritative, comprehensive, and indispensable provider of chemistry-related information. <input checked="" type="checkbox"/> 2. Advance Member Careers. Empower an inclusive community of members with networks, opportunities, resources, and skills to thrive in the global economy. <input type="checkbox"/> 3. Improve Education. Foster the development of the most innovative, relevant and effective chemistry education in the world. <input type="checkbox"/> 4. Communicate Chemistry's Value. Communicate chemistry's vital role in addressing the world's challenges to the public and policymakers.
Event Frequency*	Once
Event Partners (ACS)	-
Event Partners (Non ACS)	PenChem Technologies Sdn Bhd
Estimated Number of Volunteers	2
Estimated number of hours your volunteers spent on your section's/division's activities	3 hours
Estimated Number of Attendees	10
Estimated Total Cost (USD)	USD 50
Source of funding	Self-funded
Event Coverage	<div>Email</div> <div>Radio: -</div> <div>Television: -</div> <div>Web</div> <div>Other -</div>
Event Promotion	Other: ACS Malaysia Facebook Page

PHOTOGRAPHS OF EVENT:



OTHER (including press coverage, if applicable):

GLOBAL INNOVATION CHALLENGES (GIC)

Event - Overview	
Name of the Event*	Global Innovation Challenges (GIC)
Brief Description*	An undergraduate student competition with a theme of "Sustainable Approaches to Global Water Security", organized with support of ACS Global Innovation Grant
Date Held*	8 th November 2014 (Final Round) September-October 2014 (Preliminary Round)
First time event?	Yes
Primary Contact*	Dr Nik Ahmad Nizam Nik Malek, niknizam@fbb.utm.my
Which strategic goal(s) from the ACS Strategic Plan does this event support?	<input type="checkbox"/> 1. Provide Information. Be the most authoritative, comprehensive, and indispensable provider of chemistry-related information. <input type="checkbox"/> 2. Advance Member Careers. Empower an inclusive community of members with networks, opportunities, resources, and skills to thrive in the global economy. <input checked="" type="checkbox"/> 3. Improve Education. Foster the development of the most innovative, relevant and effective chemistry education in the world. <input type="checkbox"/> 4. Communicate Chemistry's Value. Communicate chemistry's vital role in addressing the world's challenges to the public and policymakers.
Event Frequency*	Once
Event Partners (ACS)	ACS Office of International Activities
Event Partners (Non ACS)	Universiti Teknologi Malaysia (UTM) Centre for Student Innovation (CSI) Faculty of Science, UTM Faculty of Biosciences and Medical Engineering, UTM Institute of Environmental and Water Resource Management, UTM International Water Association (IWA) Young Water Professional
Estimated Number of Volunteers	20
Estimated number of hours your volunteers spent on your section's/division's activities	10 hours (Final Round) 1-2 hrs per day (Preliminary Round)
Estimated Number of Attendees	Final round: 40 (participants and their advisors) Preliminary round: approx. 80 participants
Estimated Total Cost (USD)	USD1300

Source of funding	ACS Office of International Activities- Global Innovation Grant
Event Coverage	Email
	Radio: -
	Television: -
	Web
	Other -
Event Promotion	Other: ACS Malaysia Facebook Page

PHOTOGRAPHS OF EVENT:



OTHER (including press coverage, if applicable):

OUTREACH ACTIVITY: MINI SCIENCE EXPO

Event - Overview	
Name of the Event*	Outreach Activity: Mini Science Expo
Brief Description*	To promote chemistry as fun science to primarily school students
Date Held*	15 th November 2014
First time event?	Yes
Primary Contact*	Dr Ooi Boon Seng, chobs@usm.my
Which strategic goal(s) from the ACS Strategic Plan does this event support?	<input type="checkbox"/> 1. Provide Information. Be the most authoritative, comprehensive, and indispensable provider of chemistry-related information. <input type="checkbox"/> 2. Advance Member Careers. Empower an inclusive community of members with networks, opportunities, resources, and skills to thrive in the global economy. <input checked="" type="checkbox"/> 3. Improve Education. Foster the development of the most innovative, relevant and effective chemistry education in the world. <input type="checkbox"/> 4. Communicate Chemistry's Value. Communicate chemistry's vital role in addressing the world's challenges to the public and policymakers.
Event Frequency*	Once
Event Partners (ACS)	-
Event Partners (Non ACS)	Penang Undergraduate Community Service (PUCS)
Estimated Number of Volunteers	20
Estimated number of hours your volunteers spent on your section's/division's activities	10 hours
Estimated Number of Attendees	60
Estimated Total Cost (USD)	USD 500
Source of funding	USM
Event Coverage	<div>Email</div> <div>Radio: -</div> <div>Television: -</div> <div>Web</div> <div>Other -</div>
Event Promotion	Other: ACS Malaysia Facebook Page

PHOTOGRAPHS OF EVENT:



OTHER (including press coverage, if applicable):

MEMBERSHIP RECRUITMENT AND ENGAGEMENT REPORT

Event - Overview	
Name of the Event*	Membership Recruitment and Engagement Report
Brief Description*	To establish ACS student chapter at Universiti Sains Malaysia
Date Held*	21 st November 2014
First time event?	Yes
Primary Contact*	Dr Low Siew Chun
Which strategic goal(s) from the ACS Strategic Plan does this event support?	<input type="checkbox"/> 1. Provide Information. Be the most authoritative, comprehensive, and indispensable provider of chemistry-related information. <input checked="" type="checkbox"/> 2. Advance Member Careers. Empower an inclusive community of members with networks, opportunities, resources, and skills to thrive in the global economy. <input type="checkbox"/> 3. Improve Education. Foster the development of the most innovative, relevant and effective chemistry education in the world. <input type="checkbox"/> 4. Communicate Chemistry's Value. Communicate chemistry's vital role in addressing the world's challenges to the public and policymakers.
Event Frequency*	Once
Event Partners (ACS)	-
Event Partners (Non ACS)	School of Chemical Engineering, USM
Estimated Number of Volunteers	6
Estimated number of hours your volunteers spent on your section's/division's activities	5 hours
Estimated Number of Attendees	40
Estimated Total Cost (USD)	USD 50
Source of funding	USM
Event Coverage	<div>Email</div> <div>Radio: -</div> <div>Television: -</div> <div>Web</div> <div>Other -</div>
Event Promotion	Other: ACS Malaysia Facebook Page

PHOTOGRAPHS OF EVENTS:



OTHER (including press coverage, if applicable):

SUPPORTING ORGANIZER FOR 27th REGIONAL MALAYSIA SYMPOSIUM OF ANALYTICAL CHEMISTRY

Event - Overview	
Name of the Event*	27th Regional Malaysia Symposium of Analytical Chemistry (SKAM 27)
Brief Description*	One of the presentation session was hosted by ACS Malaysia in line with Global Innovation theme based on the ACS Global Innovation Grant
Date Held*	8-10 December 2014
First time event?	Yes
Primary Contact*	Dr Mohd Bakri Bakar
Which strategic goal(s) from the ACS Strategic Plan does this event support?	<input checked="" type="checkbox"/> 1. Provide Information. Be the most authoritative, comprehensive, and indispensable provider of chemistry-related information. <input type="checkbox"/> 2. Advance Member Careers. Empower an inclusive community of members with networks, opportunities, resources, and skills to thrive in the global economy. <input type="checkbox"/> 3. Improve Education. Foster the development of the most innovative, relevant and effective chemistry education in the world. <input type="checkbox"/> 4. Communicate Chemistry's Value. Communicate chemistry's vital role in addressing the world's challenges to the public and policymakers.
Event Frequency*	Once
Event Partners (ACS)	-
Event Partners (Non ACS)	Faculty of Science, UTM
Estimated Number of Volunteers	2
Estimated number of hours your volunteers spent on your section's/division's activities	3 hours
Estimated Number of Attendees	30
Estimated Total Cost (USD)	200
Source of funding	ACS Office of International Activities- Global Innovation Grant
Event Coverage	<div>Email</div> <div>Radio: -</div> <div>Television: -</div> <div>Web</div> <div>Other -</div>
Event Promotion	Other: ACS Malaysia Facebook Page

PHOTOGRAPHS OF EVENTS:



ANALYTICAL SCIENCES FOR ECO-FRIENDLY SOCIETY

ACKNOWLEDGEMENT

We would like to acknowledge the following organizations for their support in making the 27th Regional Symposium of Malaysia Analytical Sciences a success.

1. YB PUAN HAJAH NORMALA ABD SAMAD MP OF PASIR GUDANG, JOHOR
2. UNIVERSITI TEKNOLOGI MALAYSIA
3. PERSATUAN SAINS ANALISIS MALAYSIA (ANALIS)
4. DEPARTMENT OF CHEMISTRY, FACULTY OF SCIENCE, UTM
5. AMERICAN CHEMICAL SOCIETY MALAYSIA CHAPTER (ACS)
6. INNO LAB ENGINEERING SDN. BHD.
7. RGS CORPORATION SDN. BHD.
8. FISCHER SCIENTIFIC SDN. BHD.
9. AGILENT TECHNOLOGIES (M) SDN. BHD.
10. ORBITING SCIENTIFIC & TECHNOLOGY SDN. BHD.
11. LECO INSTRUMENT (M) SDN. BHD.
12. PROGENE LINK SDN. BHD.
13. ATOMIC SOLUTIONS
14. ANALISA RESOURCES (M) SDN. BHD.
15. LAB SCIENCE SOLUTION SDN. BHD.
16. BRUKER (M) SDN. BHD.
17. GAIA SCIENTIFIC SDN. BHD.
18. RESEARCH INSTRUMENTS SDN. BHD.

CHEMISTRY AS CAREER SEMINAR

Event - Overview	
Name of the Event*	Seminar: Chemistry as Career from Communicating Sciences and Experiences Abroad
Brief Description*	Training Event given by ACS Office of International Activities Officers; Lori Brown, Dr. Ellene Contis and Steven Hill
Date Held*	7 December 2014
First time event?	Yes
Primary Contact*	Dr Mohd Firdaus Abd Wahab
Which strategic goal(s) from the ACS Strategic Plan does this event support?	<input checked="" type="checkbox"/> 1. Provide Information. Be the most authoritative, comprehensive, and indispensable provider of chemistry-related information. <input checked="" type="checkbox"/> 2. Advance Member Careers. Empower an inclusive community of members with networks, opportunities, resources, and skills to thrive in the global economy. <input type="checkbox"/> 3. Improve Education. Foster the development of the most innovative, relevant and effective chemistry education in the world. <input type="checkbox"/> 4. Communicate Chemistry's Value. Communicate chemistry's vital role in addressing the world's challenges to the public and policymakers.
Event Frequency*	Once
Event Partners (ACS)	-
Event Partners (Non ACS)	Faculty of BioScience and Medical Engineering, and Faculty of Science UTM
Estimated Number of Volunteers	3
Estimated number of hours your volunteers spent on your section's/division's activities	5 hours
Estimated Number of Attendees	30
Estimated Total Cost (USD)	200
Source of funding	ACS Office of International Activities
Event Coverage	<div>Email</div> <div>Radio: -</div> <div>Television: -</div> <div>Web</div> <div>Other -</div>
Event Promotion	Other: ACS Malaysia Facebook Page

PHOTOGRAPHS OF EVENTS:



OTHER (including press coverage, if applicable):

PROJECTED ACTIVITIES FOR 2015

1. ACS Malaysia Retreat and ACS Malaysia Scientific Seminar.
2. Co-organize International Conference for Young Chemists (ICYC 2015) with School of Chemical Sciences, USM , Penang (Tentative date: 5th-7th August, 2015)
3. Co-organize 5th International Conference on Environment (ICENV 2015) with School of Chemical Engineering, USM, Penang (Aug 18 - 19, 2015).
4. Outreach program on micro-scale chemistry.
5. Industrial visit for USM student chapter.
6. Setting up and launching of UTM student chapter.
7. Co-organize UTM Student Conference on Biosciences and Medical Engineering (BME) 2015 (Tentative June-July 2015)- by UTM Student Chapter.
8. Asian ACS International Chemical Science Chapters Symposium in collaboration with other Asia ACS Chapter.
9. Engagement programs with local authorities and scientific societies, e.g. Institut Kimia Malaysia (IKM), Institution of Chemical Engineers (IChemE), Akademi Sains Malaysia (ASM), ASM-Young Scientists Network, Ministry of Science, Technology and Innovation (MOSTI) etc.

CHAPTER OFFICERS AND CONTACT:

Chair

Dr Lim Jit Kang

Work Address: School of Chemical Sciences, Universiti Sains Malaysia, 11800 Minden, Penang, Malaysia

Email: chj itkangl@usm.my

Phone number: (work) +604-5996423 and (mobile) +6012-5151875

Co-chair

Dr Mohd Bakri Bakar

Work Address: Jabatan Kimia, Fakulti Sains, Universiti Teknologi Malaysia, 81310 UTM Skudai, Johor.

Email: bakri@kimia.fs.utm.my

Phone number: (work) +607-5534131 and (home/mobile) +6019-7711793

Secretary

Dr Mohd Firdaus Abdul Wahab

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Email: firdausw@utm.my

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Treasurer

Dr Lee Hooi Ling

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Email: hlee@usm.my

Phone number: (work) +604-6533547 and (home/mobile) +6012-4623512

New Officers for 2015

The term of the current Officers ends in 2016.