

Bibliotheca Alexandrina

ANNUAL REPORT

July 2010 – June 2011

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MISSION STATEMENT

To be a Center of Excellence for the Production and Dissemination of Knowledge, and a Place of Dialogue and Understanding between Cultures and Peoples.

OBJECTIVES

To be

- **the World's Window on Egypt;**
- **Egypt's Window on the World;**
- **an Instrument for Rising to the Challenges of the Digital Age; and**
- **a Center for Dialogue between Peoples and Civilizations.**



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Acronyms

AAS	African Academy of Sciences
AFESD	Arab Fund for Economic and Social Development
AHRC	Arts and Humanities Research Council
AIT	Asian Institute of Technology
ARDC	Agricultural Research and Development Council
CCICED	China Council for International Cooperation on Environment and Development
CEPA	UN Committee of Experts on Public Administration
CGIAR	Consultative Group of International Agricultural Research
COMEST	World Commission on the Ethics of Scientific Knowledge and Technology
ECOSOC	UN Economic and Social Council
ECOWAS	Economic Community of West African States
ELPIDA	Association of Friends of Children with Cancer
ENCC	Egyptian National Competitiveness Council
EQI	Environmental Quality International
FASID	Foundation for Advanced Studies on International Development
GCI	Getty Conservation Institute
GCIM	Global Commission for International Migration
GFAR	Global Forum on Agricultural Research
GSA	Geological Society of America
IAP	InterAcademy Panel
IARI	Indian Agricultural Research Institute
ICARDA	International Center for Agricultural Research in Dry Areas
ICOM	International Council of Museums
ICSU	International Council for Science
IDDC	International Dryland Development Commission
IDRC	International Development Research Centre
IDSC	Information and Decision Support Center
IFLA	International Federation of Library Associations
IGU	International Geographical Union
IRGC	International Risk Governance Council
ISESCO	Islamic Educational, Scientific and Cultural Organization
ISS	Institute for Social Sciences
IUCN	International Union for Conservation of Nature
KNAW	Royal Netherlands Academy of Sciences
LEAD	Leadership for Environment and Development
LMS	Laboratory for Molecular Sciences
LWF	Lutheran World Federation
MIFTAH	Palestinian Initiative for the Promotion of Global Dialogue and Democracy
NCEA	Netherlands Commission for Environmental Assessment
NGOs	Non-Governmental Organizations
NUFFIC	Netherlands Foundation for International Cooperation in Higher Education
OECD	Organisation for Economic Co-operation and Development
PNoWB	Parliamentary Network of the World Bank
PRONACO	Pro-National Conference Organization
PSIA	Paris School of International Affairs
SDC	Swiss Agency for Development and Cooperation
SIDA	Swedish International Development Agency
SSO	Sahara and Sahel Observatory
STAP/GEF	Scientific and Technical Advisory Panel of the Global Environment Facility
TDA	Training and Development Agency for Schools
UNESCO	United Nations Educational, Scientific and Cultural Organization
UPEACE	University for Peace
WIPO	World Intellectual Property Organization
WWF	World Wide Fund

FOREWORD

A New Decade and Fresh Horizons

It may be that 2011 is the year where big words and far-fetched ideals heroically moved from the realm of rhetoric to the solid ground of reality. Freedom is now no longer a worn out cliché, it has become a rigorous conviction.

Driven by the new prospects of a brighter future in sight, the BA has always devoted its attention to reviving the legacy of the past, tackling the problems of the present and kindling new dreams for the future. All the activities held during the year attest to the continuity of this vision and the new levels of growth attained by the BA one year after the other.

When the Alexandrian youth took it upon themselves to form a barrier around the Library to protect it from potential vandalism, they were safeguarding the ideal of knowledge, the values of enlightenment and the ardently nurtured dreams of success. I truly hope that the BA will continue to build on its past achievements while planning for the future over the course of its second decade.

Abd Al-Aziz Hegazy



A group of people in business attire are holding up a large blue flag on a city street. The scene is captured at sunrise, with long shadows cast across the pavement. The background shows a city street with cars and buildings. The overall mood is one of celebration and achievement.

I

INTRODUCTION

INTRODUCTION

This year has been a year of momentous events for the BA, for Egypt, and for the world. The “Arab Spring” whose most stunning flower was the Egyptian Revolution of 25 January 2011, has been a period of transition and reaffirmation for the BA. The legitimacy of the Institution is now grounded in the support of the revolutionary youth as much as in the quality of its work.

The BA was protected by the young revolutionaries from any damage, while a few blocks away, the symbols of the old regime were totally being brought down. During the massive demonstrations, they linked hands to create a human chain and prevent any damage to the Library, which has no fences nor walls to protect it.





They then constructed a huge flag that they placed on the steps of the BA and passing demonstrations cheered it.





These same steps became a favorite location for those who demonstrated for human rights and freedom of religion. Finally, the revolutionary youth also painted a mural that shows the BA as the fourth pyramid, with a mosque and church connected to it.

As part II of this Report shows, we managed to complete our programs, and our financial management was validated by our auditors and by various inspections that came after the Revolution.

This year has also been one where the global ICT revolution continued apace and the BA continued to play its role in helping lay the foundations of the digital institutions of tomorrow. Our digital outreach continued, especially in the digital realm where our websites receive more than 500 million hits per year at present, while the BA continued to be at the forefront of several major international initiatives including the World Digital Library (we were elected the Chair of the enterprise) and the Encyclopedia of Life (EOL) where we serve on the Executive Committee.

How the BA weathered the Revolution in Egypt and the global ICT revolution is discussed in the special portfolio that constitutes the third part of this report, and which contains four documents.

The BA and the Changing Egyptian Context

It is more than the Mubarak regime that has been swept away by Egypt's massive peaceful demonstrations. It was a gigantic repudiation of the overtly bureaucratic, security-centered State, and autocratic government more generally that was being rejected. A powerful, unaccountable government, open to the power and influence of money, was inevitably going to promote corruption. The Egyptian people, long silent, have finally found their voice.

From there to the creation of the effective institutions and laws that would transform the legacy of the rejected system into a functioning democracy is another story. The practice of democracy requires pluralism, divergent views, and the give and take of political compromise. This is largely absent from the political and social scene in Egypt. It will come through practice and that will happen only in the inevitably messy way in which politics functions.

It is in this context that the BA, will have to open its arms wide—even wider than it already did in the past—to encompass the whole range of opinions that legitimately press for recognition. In doing so, it will satisfy few and be criticized by many, but there is no alternative if we are to remain faithful to our mission, to our goal of promoting dialogue between cultures and peoples. It is an essential service that the BA can, and must provide for Egypt today.

The four goals set forth for the BA remain valid, but these now must focus increasingly on particular aspects that reflect current transformations:

- The priority in being Egypt's window on the world must go beyond art and science to include a better understanding of the experience of those societies that have undergone a transition from autocracy to democracy;
- The goal of being the world's window on Egypt must include the possibilities for organizing in-depth discussions between Egyptians and the rest of the world, not just informing the world of Egypt's marvelous history and culture;
- The goal of being at the forefront of the digital technology of the age is becoming even more important as the BA assumes responsibilities for the Arabic digital content in a number of international initiatives and expands its interaction with ICT-savvy Egyptian youth; and
- The goal of being a place of dialogue has never been more important than at this moment when Egypt is moving from centralized conformity to the variety of pluralism. How to maintain a civil discourse and mutual respect with widely diverging views is something that must be promoted vigorously at the BA at this particular historical moment. In addition, it must include dialogue between Egyptians seeking their way to design the democratic Egypt, and non-Egyptians and their experiences in moving from autocracy to democracy in their countries. This socio-political dialogue, already present in such initiatives as the Arab Reform Conferences and the Alexandria Declaration of 2004, must be enhanced while maintaining the more conventional inter-cultural dialogue that we have been practicing in the past. That last will also adapt to the new reality of our new role in francophone networks, as the BA becomes a major francophone hub thanks to the enormous gift of the 500,000 French books received from the National Library of France (BnF).

The Secret Accounts

One of the most important events that occurred during the 25 January Revolution was the exposure of the presence of a secret bank account maintained by former President Mubarak in the name of the Library of Alexandria. That Account has more than 140 million dollars in it. This information was exposed in a complaint filed by Mr. Moustafa Bakri, Editor-in-chief of *Elosbo' Newspaper*, to the General Prosecutor regarding the existence of a secret bank account, at the National Bank of Egypt, Heliopolis Branch, said to be sheltering foreign aid funds in favor of the Library of Alexandria, also known as the Bibliotheca Alexandrina (BA). The Account was controlled by former President Hosni Mubarak.

The BA has formally stated that:

First The BA firmly and categorically denies any knowledge of the account, its source, or the person(s) controlling it. It was only through Bakri's report, which was published in several newspapers, and ensuing investigations, that the BA became aware of this account. The BA has already confirmed this to all formal authorities conducting the investigations. Allegations to the contrary by some journalists of *Al-Wafd* Newspaper, were met with a libel suit by the BA, and the court ruled in favor of the BA and its Director. Subsequently, former President Mubarak acknowledged that he had kept it secret from the BA and its Board of Trustees and its Director.

Second All BA financial and administrative transactions are conducted in accordance with Law No.1 of 2001 and Presidential Decree No. 76 concerning the Library of Alexandria. In accordance with Law No.1 and Decree No.76, all the rights, assets, and commitments of the abolished General Organization of the Alexandria Library (GOAL)—affiliated to the Ministry of Higher Education at that time—should have been transferred to the newly-created BA.

Third At the time of its opening, the BA had only two bank accounts known to its Management, one at the Central Bank of Egypt, and the other—which was later closed—with a small amount remaining from the UNESCO-funded project for the Revival of the Library of Alexandria.

Fourth On 28 July 2002, a bank account was opened at the Commercial International Bank (CIB), with the prior approval of the Ministry of Finance, dated 25 July 2002, in accordance with Law No.1 of 2001, Article 6.

Fifth Since its establishment in 2001, the BA accounts, and all its actions and transactions, are being audited by the Egyptian Central Auditing Organization, and the internationally recognized KPMG Hazem Hassan Public Accountants & Consultants. To maintain absolute transparency, the BA publishes its annual audited financial statements in its annual reports and posts them on its official website.

Sixth The BA reaffirms that it maintains no other bank accounts apart from what is mentioned above, and that the BA Management was not aware of any other accounts.

Seventh The BA has called on the concerned official parties to return the money of the secret bank account to the BA's official account, as the investigations have revealed that the account actually shelters foreign donations in favor of the Library of Alexandria donated by some Arab rulers to former President Mubarak in the early 1990s. Legal proceedings to take possession of these funds have been started with the General Prosecutor's office.

Administration and Finance

Like most institutions in Egypt, the BA underwent some unrest among its staff, including the return of some of the civil servants who had already been transferred to the Governorate of Alexandria a few years ago. Efforts to deal with these problems have been largely successful, and—despite the generalized budget stringencies—we intend to avoid any massive layoffs or reductions in salaries, and we even hope to be able to provide support to our lowest-paid staff to offset the absence of formal with the cost of living adjustments and merit increases, in the new fiscal year 2011/2012.

But the coming fiscal year will be one of austerity and many of our long-term capital projects will have to be postponed. We must continue to reach out to Egypt and the World, and maintain a right course to be true to our mission of being: “A Center of Excellence in the Production and Dissemination of Knowledge and a Place for Dialogue for People and Cultures”.

OUTREACH PROGRAM

Having been exalted by the support of our revolutionary youth, the BA reopened as rapidly as circumstances allowed and has continued to provide its services to all its patrons, albeit at a reduced schedule. The past few months of 2010/2011 have seen an intensification of the youth and volunteer program activities. The various departments and centers have laid down plans for an expanded outreach by the BA to the Egyptian Society at large in the coming year 2011/2012. These programs include:

- Embassies in Minia and elsewhere
- Outreach in Alexandria
- Media and TV activities
- Organizing for action

Development of the BA presence in Cairo, the hub of the Revolution, must continue. Here we intend to pursue the effective:

EMBASSIES IN MINIA AND ELSEWHERE

The Embassy of Knowledge established in Minia is very active. It shows the validity of the concept, and the thirst of Egyptian youth outside of Cairo and Alexandria to access knowledge and lectures, art and science, through the video link to the BA activities and the digital link to our catalog and other resources. We shall seek sponsors to increase our outreach in the rest of Egypt, especially the underprivileged parts of the country.

OUTREACH IN ALEXANDRIA

The science clubs initiative, being implemented by the PSC has resulted in reaching some 200 schools in Alexandria, and despite austerity we will reach some 300 by the end of the next year. It is a very successful program that created a large body of young people committed to scientific knowledge and experimentation.

MEDIA AND TV ACTIVITIES

Media and TV activities are being intensified. New programs are being launched, including a weekly program (Alexandrian Dialogs) in partnership with the BBC Arabic channel. The Arabic and English TV Science Series (Horizons) is reaching its conclusion in terms of the first 30 episodes, half in English and half in Arabic. Documentary films about the BA activities are being prepared for airing during the fall (post-Ramadan) season.

ORGANIZING FOR ACTION

While many of these emphases can and will be reflected in programs being executed by existing centers and departments in the BA, it is important to note that we have created new centers and programs in our organizational structure, specifically:

- The Center for Peace and Democracy Studies (CPDS) – established,
- The Youth and Volunteer Programs Hub – established,
- The Center for the Study of Modern Egypt – still being established,

This is in addition to having launched a number of internal management initiatives that include:

- The creation of a Staff Association, where elected representatives of the staff can express their views directly to the Director of the BA without the intermediation of the Junior and Senior Managers.
- The formation of a number of committees that have included representatives of the Staff Association to review and discuss many aspects of our Personnel policies. Their proposals will be reviewed, and as many of them as possible will be adapted and adopted in the first half of the coming year 2011/2012 (before the end of December 2011).
- A more rigorous, transparent and competitive merit-based system for promotions into management with a proper internal vacancy posting system, and review committees.

AN AUSTERITY PROGRAM

Faced with the economic and financial realities in Egypt, the BA will have to postpone its original expansion plans presented in previous annual reports. Building programs, at the various sites, will be mostly postponed, and what will be carried out will be the essential items greatly reduced. Recruitment of new staff has been largely frozen. Every unfunded or unsponsored activity is being reviewed and accordingly postponed, reduced or cancelled.

The focus in this coming year 2011/2012, and possibly beyond that, will be on leaner, tighter and more effective structures and programs. Doing more with less, and finding more partners will maintain the impact and reach of the BA programs and activities undiminished and possibly enhanced despite the austerity measures being pursued. “Fewer and Better” and “Teamwork” will be the watchwords.

FREEZING CAPITAL PROJECTS

The major capital projects discussed in previous reports will all be slowed down or postponed. Only minimal work, such as fences and minimal facilities to establish our presence on the unbuilt properties, will be even contemplated. This decision puts on hold all the major capital projects of the BA, from the massive Science City complex in 6th of October City (Egypt’s first major museum of science) to the BA’s own facilities planned for 6th of October and the Borg El-Arab new campus, the Abis land facility, and the completion of the full restoration of the Antoniadis Villa and the Al-Sennari House, etc.

This slowing down of the long-term strategy will be subject to a full review within the next 18–24 months. As the situation in Egypt and the region becomes clearer, redesign of the BA’s long-term strategy will be undertaken.

BUILDING THE LIBRARY OF THE FUTURE

The changing structure of knowledge will force a transformation into how libraries, museums and the institutions of culture function. This has been described at some length in Ismail Serageldin’s *The Shape of Tomorrow: The Seven Pillars of the Knowledge Revolution and their Implications* published by the BA in 2010, and is summarized in the essay included in this Annual Report “In the Eye of the Storm”. It is the intention of the BA to remain at the forefront of inventing the library of tomorrow, as we continue to build the best possible library today. As such in our immediate future we see the continuation of the current programs of the BA in including the expansion of our library services:

- Our book collection has now reached 1.45 million items, and continues to grow.
- The strengthening of the Francophone dimension of our work will proceed apace, as one of our priorities.

- The BA's investment in the Digital Realm will keep the BA at the forefront of the technological revolution that is sweeping the world.

WHERE WE ARE GOING

Having received this massive vote of confidence from the revolutionary youth of Egypt, the BA should not sit on its laurels. We must seize the moment to rethink our priorities, reassess our organization, and chart a course for the future that is suitable to the Egypt that emerged from the 25th of January Revolution. To that end we have created many committees involving staff and management to put our heads together and design the best means to express and continue to implement our vision of rationality, pluralism, free expression, dialogue and understanding.

Beyond this coming year of sharpened focus and fiscal austerity, we can glimpse a better future for Egypt and the BA. For Egypt, it is the promise of freedom of expression, democratic participation and social justice. For the BA it is the promise of continuing its mission and pursuing its goals nurtured by the support that revolutionary youth gave it.



II

REPORT ON THE BA PERFORMANCE IN 2010/2011



CALENDAR OF EVENTS

This year the BA organized and hosted 776 events, 61 training and educational courses, and 350 Arts School activities, including ballet, contemporary dance, youth orchestra, amateur orchestra, piano, guitar, drums, voice training, violin Suzuki training, painting, solfege and children choir.

Book Launches

- *Third Arab Reform Observatory Report*
- *L'Egypte de Tahrir*
- *Italia Patria di Scienziati* (Italy Home of Scientists)
- *The Legal Response to Terrorism*
- *Jours d'Alexandrie*

Ceremonies

- Closing of the Cultural and Knowledge Exchange Project for the Rights of Disabled in Culture, Entertainment, and Tourism
- Opening of Science Age Society
- Movie-Making Competition
- End of Poetry Workshop
- End of Children's Library Summer Activities
- International Youth Day
- Fawanees Ramadan 2010
- Cultural Ceremony on the 10th Anniversary of *Amkenah* Magazine
- Faculty of Pharmacy Graduation Day 2010
- Heritage in Danger
- Ahmed Kamal Pasha and Pioneers of Calligraphy and Inscriptions in the Arab World
- Poetry Day – Food for Thought
- White Cane Safety Day
- Arabic Calligraphy Day
- Faculty of Fine Arts Graduation Day
- Cultural and Artistic Night on the Occasion of the 20th Anniversary of Senghor University
- Arabic Calligraphy Test for Primary Schools in Alexandria
- Launch of the Training of the Francophone Librarians
- World AIDS Day
- Geographic Information Systems (GIS) Day
- FameLab Egypt Competition
- Award-Giving Ceremony to Alexandria as the KSA Environmental Management Prize

- IPS Certificate Giving Ceremony
- End of Hieroglyphics and Arabic Calligraphy Workshops
- Award Distribution for the Arabic Calligraphy Competition
- National Day of Oman
- Solar Eclipse over Alexandria
- Choir Master Class Closing Ceremony
- Hassan Fathi Award for Architecture 2010
- Launch of Ibdaa (Start) Initiative and the Development Revolution Project: A Night in the Love of Egypt
- 25 January Ceremony
- Youth of the Development Revolution
- Faculty of Medicine Graduation Day
- PowerPoint Competition for Anglophones
- Pride of the Mediterranean Initiative – Labor Day Ceremony
- Grass-root Media Project Opening Ceremony
- Le Génie des Pyramides
- Launch of “Faces” Youth Initiative
- Step Up Annual Celebration
- Siemens MOU signature
- Future International School (FIS) End-of-Year Ceremony
- Etlala Literary Forum: Discussion of the Novel Alexandria 2050
- *Ana Mawhoub* (I am Talented)
- German School in Alexandria (DSB) Graduation Day
- Schutz American School Graduation Day 2011
- Lycée français MLF d’Alexandrie Graduation Day
- Closing Ceremony of the Teachers’ Training Program
- Young People’s Library End of Summer Celebration 2010
- Eratosthenes 2011
- Chess Competition 2011
- PSC Summer Festival Closing Ceremony
- Celebrating the 70th Birthday of Egyptian Poet Sayyed Hegab



- Intel Science Competition – Arab World (ISC Arab)
- Launch of Sawiris Fund
- Science Festivity
- *Al-Turath* Magazine

Cinema

- One Eye Open
- Summer Festival Film Screenings
- Short Films for Young Filmmakers
 - Director Rami Abdul Jabbar
 - Director Mohammed Hammad
- Short Film Forum
 - Films From Romania
 - Films from the United Arab Emirates
 - Two Women Directors from Algeria and Egypt
 - Films from Sudan
 - Films from Egypt
 - Films from Africa and Latin America
 - Films on Films
- One Hundred Landmarks in the History of Egyptian Cinema
- Alexandria Film Festival Screenings
- 10th Birthday of *Amkenah* Magazine - Garbage Dreams
- International Peace Day
- Animation Film Forum: International Animation Day



- Armenian Retrospective Program
- Films by Ali Moheeb
- Algerian Animation
- Films from Spain
- Films from Argentina
- One Film from France
- Documentary Film Forum
 - The Voice of the Andes
 - Hugo in Africa
 - Storaro: Writing with Light
 - Beyond Life
 - Life after the Fall
 - The Message
- Asian and African Cinema: Selections from Akira Kurosawa
- Earth 2100
- Plaza Project Film Screenings II
- Moroccan Classics
- Naguib Mahfouz Day
- Short Films from « Les Instants Vidéo » Film Festival
- Graduation Film Projects by Students of the French University in Cairo
- The Burning of the Cairo Opera (Documentary)
- Transfer of Egyptian Monuments – The Temple of Abu Simbel (Documentary)
- Earth Report: The State of the Planet 2009 (Documentary)
- American Cinema: Edison Films (120 years)
- Fiction Film Forum – International Women’s Day
- Lars Von Trier Retrospective – Selected Films
- Shakespeare Day – TV films (BBC)
- Alexandria Film Forum – Only Fruits
- Europe Day – Film screenings
- Egyptian Film Day

Concerts

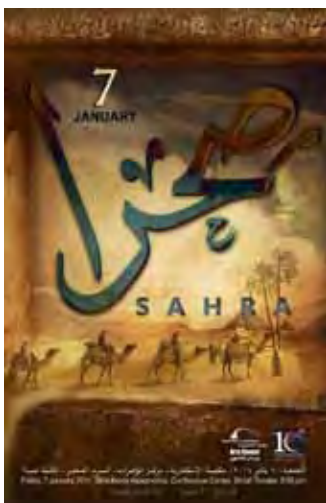
- 9th International Summer Festival “Nostalgia”
 - Omar Khairat and the BA Orchestra
 - Habayebna (Our Beloved) Troupe
 - Scorpionism Band
 - Tony Kaldas and his Musical Group
 - Pyramids Jazz Band
 - Cultural Palace Arabic Choir
 - Old is Gold “The 50s”, BA Orchestra and Massar Egbari Band
 - The Jokers
 - Salalem Band
 - Sehr El-Sharq

- Andromida Band
- Baraka Band
- Old is Gold “The 60s”, BA Orchestra and Azraq Samawy Band
- BA Music and Song Competition for Western Popular Styles, 5th edition
- BA Amateur Orchestra
- Soot fel Zahma
- Station Band
- Old Is Gold “The 80s”, BA Orchestra and Azraq Samawy Band
- The Glass Onion
- Perfume of Levante
- El Masreyeen Band

- BA Children Choir
- Samaey Band
- Ressala Band
- Cultural Palace Arabic Choir
- BA Orchestra in Cooperation with Arts School
- BA Choir and Children Choir
- Different Activities of the BA Arts School:
 - Children Choir
 - BA Choir
 - Junior Orchestra
 - Amateur Orchestra
 - Suzuki Violin
 - Solo Violin (1)
 - Solo Violin (2)
 - Piano
 - Ballet
 - Drums
 - Guitar
 - Solfege
 - Painting
 - Oriental singing
 - Opera singing
 - Oud training
 - Sahra Band

- Mohamed El-Sawah and his Musical Group
- Ebbtide and Azraq Samawy Bands
- United Musicians of Alexandria
- Ja, Panik Band (Germany)
- Mediterranean Night
- Black Theama
- Jazz Group
- Opera recital
- Massar Egbari Band

- Salalem Band
- El Masreyeen Band
- Sahra Band
- Omar Khairat Concert with BA Orchestra
- Andromida Band
- Bray Elementary School Choir
- Cairo Conservatoire Orchestra
- St. Marc Choir
- El-Refak Choir
- Fernando Pérez and Mohammed Antar
- BA Arts School Activities
- Heaven's Harp Choir
- Augustana Band (USA)
- Ahmed El-Haggat and his Musical Group
- "Music of the World" in the Guitar of Fernando Perez
- La Francophonie en Chansons
- Sehr El-Sharq
- New Year's Concert
- Nathan Fisher
- BA Orchestra
- Women's Jazz Concert
- The Arab Oud House
- Music Inc.
- Gipsea Band
- Wust El-Balad
- Alexandrina World Music Festival III
 - Wust El-Balad (Egypt)
 - Nafra Ensemble (Malta)
 - Duo Seidenstrasse (Germany/China)
 - Emerald – Georges Kazazian (Egypt)



- DJ Club Secousse
- The Four Seasons by Vivaldi
- Basata Band
- Zaman Band
- BA Orchestra Soloists
- Musical Concert
- Arts School Concert
- Children Choir Concert
- BA Orchestra in Cooperation with Amateur Orchestra
- BA Choir with BA Children Choir
- Arts School Concert (Opening of Art Miles Mural Exhibition)
- BA Children Choir (Cairo Opera House)
- BA Choir (Cairo Opera House)
- Choir Master Class (Rafik Matta, Canada)
- Nathan Fisher Guitar Concert
- Beit El Oud Concert (Nassir Shamma)
- Guitar Concert by Karim Frege and Shady Nagy
- Celebrating the 70th Birthday of the Late Egyptian Poet Amal Donqol

Conferences

- Holland in the Eyes of Muslims
- Arab Media Leaders
- Contemporary Environmental Issues in Barren and Semi-Barren Areas: Climate Change
- Increase Public Participation of Women and Youth
- Life in Egypt during the Coptic Period: Towns and Villages, Laymen and Clergy, Bishops and Dioceses
- 14th Alexandria Anesthesia and Intensive Care Conference
- 13th Annual Meeting of the BA International Friends



- International Association for National Youth Service Global (IANYS)
- DIAMET Forum
- International Conference on Biodiversity
- Combating Violence against Children
- Youth and Violence
- Launch of Global Innovation through Science and Technology (GIST) Initiative
- Development Drives: Policies Evaluation
- Youth: A Revolution of Change
- Egypt is Changing
- Shakespeare Annual Conference 2011
- CardioAlex 2011
- Visions Towards a New Egyptian Renaissance
- “Nations’ Progress” Program
- Interact with Today’s World (ITW) 2010
- The Athens Dialogues
- Human Language Technology for Development
- Cross-Cultural Encounters Conference
- 3rd Scientific Conference of the Mediterranean GID – Parmenides “Richness & Diversity of the Biology & Culture”

Exhibitions

- Alexandria International Symposium for Sculpture in Natural Material - Fifth Edition (3D Glass)
- He Who Abandons His Past is Lost
- Resident Artist Exhibition - Fifth Meeting
- Egyptian Expressionism
- First Time – Fifth Meeting
- Art Salon: Black and White
- The History and Civilization of Ancient Egypt
- Biodiversity: Play and Learn!
- Arabic Calligraphy and Hieroglyphics Workshop Exhibition



- Artist Mohie El Din Hussein
- Artist Hassan Soliman
- Arabic Calligraphy Exhibition for Alexandria Students
- Collage of the January Revolution
- Bibliotheca Alexandrina International Biennale for Miniature Graphics – Second Edition
- Digitize Your World
- Arabesque (Islamic Art)
- Gebel Elba: Natives and Crafts 2
- Landmarks of Cairene Architecture
- Southern Spirit
- A Glimpse into Egypt's Photographic Heritage
- Visual Arts and Restoration
- 25 January Revolution
- The Liquid Continent
- My Revolution Diaries
- Agenda 2011
- The Art Miles Mural Project
- Intel Bibliotheca Alexandrina Science and Engineering Fair (Intel BASEF) 2011
- Beet El-Aila Exhibition
- Palestine 1948: Remembering a Past Homeland
- The Workshop Exhibition
- Restoration and Restorers

Festivals

- International Peace Day
- Gala Night: Opening of AlexFest 2010
- International Children's Day – Sports Day
- Orphan Day

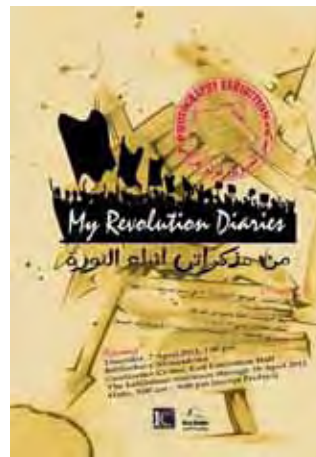


Forums

- Youth Parliament 2011:
 - Equality
 - Renaissance
 - Educational Development
 - Sense of Belonging
- Projects Fair
- The Role of Youth in Politics

Lectures

- Developing Presentation Skills
- Programming Methodology Program
- “Preventive Environmental Management” Program for School Students:
 - Introduction
 - Nature and Environmental Impacts



- Environmental Concerns, Health, and Population Growth
- Sustainable Development: A Plan for the Future
- Examples of Preventive Environmental Management
- Examples of Preventive Environmental Management in the Industrial Field
- Introduction to Preventive Environmental Management; and Different Approaches to Overcome Environmental Problems
- Closing Ceremony of the “Preventive Environmental Management” Program
- The Role of the BA in Arabic Calligraphy
- Symbols and Crowns of Gods and Kings in Ancient Egypt
- PSC Summer Program 2010
 - Influenza (H1N1)
 - Astronomy
 - Live Tomorrow
 - Increasing Internet Awareness
 - Thinking out of the Box
- Poor Handwriting of Students and the Public in General
- Royal Protocols in Ancient Egypt
- Gold and Silver in Ancient Egypt
- Fish and Aquatic Animals in Ancient Egypt
- Science and Scientific Thinking in Ancient Egypt
- Lecture Series by Professor Luther Martin
- Lecture by Professor Roger Bagnall
- Youth & Environment Program: YESBU – Youth for Environmental Sustainability and Better Understanding
- Youth and Environment Program: League of Young Masters (LYM)
- Lecture by Dr. Farouk ElBaz
- Arabic Calligraphy as a Distinguished Form of Arab Art
- An Attempt to Determine the Start Date of Building the Great Pyramid (Khufu’s)
- How Our Health Depends on Nature by Eric Chivian
- Youth Parliament 2010 – Cloning
- Fashion Photography
- Minor Arts in Ancient Egypt
- Features of Azhar Methodology Regarding Religion
- Laws in Ancient Egypt
- Popular Resistance and Egyptian Revolutions in Greek, Roman and Byzantine Eras
- Provinces of Ancient Egypt
- The Relationship Between Calligraphy and One’s Personality
- Beating Cancer Cells to Death with Gold Nanoparticles in More than One Way
- Knights of Reform in Arabic Calligraphy
- Schools of Arabic Calligraphy in Egypt
- The Status of Arabic Calligraphy in Islam
- Concepts of Physical and Spiritual Beauty in Ancient Egypt
- Modern Pioneers of Arabic Calligraphy: Mohamed Ibrahim
- Linux: An Open Source System
- Effective Leadership in Changing the World

- Pens as Tools of Writing
- The Nubian Water Wheel
- Digital Dissemination and Higher Education in the 21st Century
- Computer Technology and Arabic Calligraphy
- Monuments of the Red Sea Governorate
- Library Services and Pharmaceutical Resources
- Monuments of Port Said, Suez and Ismailia Governorates
- Smoking: A Habit or an Addiction?
- Peoples' Assembly Elections
- Monuments of Matrouh Governorate
- Investing in Business Process Outsourcing (BPO) in the IT Sector
- Monuments of Beheira and Gharbeya Governorates
- The International Day for the Elimination of Violence against Women 2010
- Monuments of Sharqia and Qalyubia Governorates
- Resident Scholar Program (Prof. Ayman Fouad Sayyed):
 - The Early Ismaili Call
 - Fatimid Caliphate (Imamate) Proclaimed in Africa
 - Fatimid Caliphate Moves to Egypt
 - Aspects of Fatimid Egypt
 - The City of Cairo Established: Religious, Civil and Military Architecture
 - Fatimid Downfall and Saladin's Coup d'Etat
 - Fatimid History Sources
- Monuments of Kafr El-Sheikh and Damietta Governorates
- Funding and Supporting New and Existing Projects
- Outreach Session
- Drugs in Egypt: Prevention and Treatment
- Arabic Writing – Examples of a New Talented Generation in the Art of Arabic Calligraphy: Mohamed Hosni Madian, Senior One
- Egypt, Where to? by Dr. Mohamed Salim Al-Awa



- The Future of Humanity
- Sheikh Tantawy ElGohary: The First Egyptian Nominee for the Nobel Prize
- The Cult and Manners of the Ancient Egyptians
- Virtual Studio Techonology
- Elections between Rights and Duties
- With William Rodriguez on “11 September 2001”
- Cleopatra between History and Drama
- Greening CultNat: Can Your Workplace be More Environmentally Friendly? How and Why?
- The New Political Party Law: Realities and Articles
- Lecture by Dr. Mostafa Hegazy
- Cultural Lectures for Youth
- Contemporary Artists in Egypt
- Monuments of Giza Governorate
- How to Start Your Career in the Field of Semiconductors Technology
- Fall of the State Security and its Impact
- Monuments of Fayoum Governorate
- Amr Hamzawy Speaks at the BA
- Lecture by Dr. Abd El-Meneim Abu El-Fotouh
- Monuments of Beni-Suef Governorate
- What’s After Graduation? Job, Research or Entrepreneurship?
- Constitution and Legitimacy
- The Charisma of Revolutions
- Civil Society and Development
- Media and Development
- Dialogue and Development
- Volunteering and Development
- The Wave of Democracy in the Arab World
- Monuments of Minya Governorate
- Intel Bibliotheca Alexandrina Science and Engineering Fair (Intel BASEF) 2011 Awareness Session
- The Role of Youth in the Revolution: Post 25 January
- Monuments of Assiut Governorate
- Glass Sculpture
- The Egyptian Constitution
- Statement by Al-Azhar and Elite Intellectuals on the Future of Egypt
- Political Awareness Training Program:
 - The Economic Scene in Egypt after the Revolution
 - Comparative Examples of Democratic Transition
 - The Religious Map in Egypt
 - The Role of Entrepreneurship in Economic Development
 - On Revolution: The Missing Obligations
 - ABC Politics, and Concepts and Terms
 - Political Parties Map in Egypt: Past, Present and Future
 - Democracy and the Future of the Political System
 - Principles of Political Science
 - Authority, Power and Violence Relations in the Egyptian Society

- Public Opinion and Political Participation in Egypt
 - Challenges of Establishing a Democratic System in Egypt
 - The Right of Political Participation
 - An Attempt to Escape the Dilemma of Power Structure
 - Right and Left Wings, and the Third Path, with a Special Reference to the Egyptian Case
 - The Religious State and the Civic State
- BA Services Orientation
 - Volunteering – Managing Change
 - The Egyptian Personality after the 25 January Revolution
 - Unemployment and Marketplace Demands
 - IPS Distinguished Lecture Series – Confronting the Absence of Refugee Rights
 - Towards a Better Alexandria: The Police and the People Join Hands for Security and Stability
 - Your Dream...Your Life
 - Media and the 25 January Revolution
 - Success Story
 - Computer Science Research in Egypt and its Different Applications
 - The Homo Sapiens Report
 - How to Win in a Photo Contest
 - Meeting with Dr. Youssef Ziedan
 - Museum Theater
 - Paper and the Environment
 - The Importance of Historical Writings Engraved on Coptic Icons
 - Towards an Egyptian Mainstream
 - Readings of Contemporary Religious Discourse
 - The Russian Culture Days
 - Secrets of Calligraphy Artwork by Artist Khodair Alborsaidy
 - Egyptian Economy...Where to?
 - The Role of Media in Combating Cancer
 - Developing Tourist Guide Skills
 - World Braille Day
 - Monuments of Dakahlia and Menoufia Governorates



- Monuments of El-Wadi El-Gedid Governorate
- Cosmopolitan Alexandria
- Arabic Calligraphy for Japanese Tourists

Meetings

- Youth Parliament 2010:
 - Technology – Merits and Demerits
 - Customs and Traditions
 - Population Growth
 - Sport Fanaticism
- Peace Bag for Euro-Med Youth
- GIGABYTE Launch GA-X58A-UD9 Motherboard
- Meeting with Executive Directors' Senior Advisors of the African Development Bank
- Franchise in Egypt – Challenges and Opportunities
- The Stanford Alumni Association
- The 23rd Meeting of the Encyclopedia for Egyptian Figures in the 19th and 20th Centuries Project Committee
- Communication Meeting for Titan Cement Egypt
- TWAS-ARO 6th Annual Meeting “Linking Research to Industry in the Arab World”
- The Annual Meeting of Intellectuals, Thinkers and Scientists
- Legal Procedures for Starting a New Project
- The Best Marketing Practices and Choosing the Company's Logo
- Evaluating the Financial Status of Small-and-Medium-Sized Companies in Egypt
- Egyptian Fertility Society Board
- Sixth Arab Youth Forum Brain Storming Meeting
- Meeting with the Families of the 25 January Revolution Martyrs
- Orphan Day volunteers meeting
- The ATLAS of Islamic-World Science and Innovation – “A Medium for Open Discussion”
- Youth Entrepreneurship and Sustainability Summit (YES) Meeting
- Institute of Electrical and Electronics Engineers (IEEE) Day
- Interviews for “The Development Revolution” Project
- Volunteer Hub Meeting
- Novartis Meeting
- Cross Egypt Challenge Press Conference
- SIFE Week
- INJAZ Meeting
- Dr. Khaled Azab's Meeting with Alexandria University Students
- Arab Encyclopedia of Life (AEOL) Meeting
- Entrepreneurs' Business Forum Meeting
- Alexandria 2020 Project – Turkish Collaboration Meeting

- The International Business Leaders Forum (IBLF) Meeting

Performances

- Graduation Projects of Theater Department Students
- Palestinian Folk Dance
- El Ashekeen Group
- Opera Miramar
- Tamarin Center and the Arts School
- Arts School Ballet Performance
- Indian Cultural Week
- Ballet Performance by First Step Center
- 9th International Summer Festival “Nostalgia” – *El-Leilah El-Kebirah* (The Big Night)
- “The Magic Flute” Opera in Colloquial Egyptian
- Djuggledy “El Diabolo”
- *El-Homar Ya Malek El-Zaman*
- Egyptian Opera Première: *El-Saqqa Mat* (The Water Carrier is Dead)
- Ballet Performance by Tamarin Center

Presentations

- Introduction to Professional Development of Teacher Training
- Photography
- Modern Egyptian History Revised
- James Cameron’s Avatar

Roundtable Discussions

- Mechanical Engineering Thesis Discussion 2010
- The Second Roundtable Discussion “Ecrire la Méditerranée”
- Volunteering Work Roundtable Discussion
- Youth Salon



Seminars

- Etlala Literary Forum
 - Readings and Discussions of Participants' Works
 - Discussion of a Story by Borges and a Poem by Baudelaire
 - My Beloved – Love in Life and Literature
 - Discussion of *Nozha fe El-Maqbarah* (A Journey in the Graveyard)
 - Discussion of a Poem by Pessoa and a Short Story by Zoshchenko
 - The Dichotomy of Cogitation and Takfir (Anathemization) – Nasr Hamed Abu Zeid
 - Discussion of the Poetry Collection *Taoun Yadaa Saqan Fawq Okhra wa Yanzor Ela El-Samaa* (A Plague Sitting Cross-legged and Looking to the Sky)
 - The World of Plastic Arts
 - Hosting Members of El-Tekeyyah Literary Electronic Group
 - Other Forms of Creativity Beyond Writing
 - Reading of the Novel *Tofahet El-Saharaa* (The Apple of the Desert)
 - A Revolutionary Moment – Feelings and Testimonies from the Revolution
 - Hosting Members of Taa El-Khagal Cultural Salon
 - Literature of Revolutions
 - Banned Books during the pre-Revolution Age
 - Discussion of *Mosafer El-Layl* (The Night Traveler)
 - My Library
 - Comics
 - Places
 - Welcome to Cairo
- Sharing Experiences about Feasibility Study
- Japan: An Inner Perspective
- Europe and the Muslim World – A Reading in the Dilemma of Neighborhood



- Egyptian Writers Union – Alexandria Branch: Poets of Tomorrow
- Egypt and Africa: Present and Future Prospects
- A New Year: Health and Fitness for All
- A Chat with Egyptians on the Nile
- My Experience in Egyptian Journalism
- Learn With Me
- Ossama Anwar Okasha and the Unknown Alexandrian Drama
- Software Freedom Day
- Egyptian Writers Union – Alexandria Branch: Discussion of *Al-Mothaqafoun wa Al-Thawrah* (The Cultured and the Revolution)
- The Local Finances: Engine of Development
- Reform of the Arab Regime
- The Alexandria Writers Union Monthly Seminars
- Self-Management and Development
- Arabic Language in Media
- Exchange of Experiences
- Le Ciel de l’Egypte Ancienne : Quand les Astres Etaient des Dieux
- YLVP Network Seminar
- Egyptian African Relations
- Third Global Seminar on Linguistic Diversity, Globalization and Development
- The Future of Culture in Egypt...Visions of the Middle Generations
- Arabic Writing
 - The Story of Arabic Writing
 - Different Kinds of Arabic Calligraphy: Naskh and Ruq` ah Scripts
 - Artistic Features of the Human Hand in Arabic Writings
 - Modern Pioneers of Arabic Calligraphy: Kamel Ibrahim (Second Part)
- Imagination in Documentary Films
- Biodiversity and the Effects of Climate Change
- The Parallel Text
- Egyptian Writers Union – Alexandria Branch: January 2011
- Reflections on the Revolution
- Illusions Created by the Revolution, and Illusions Destroyed by the Revolution
- National Dialogue about the Proposed Constitutional Amendments
- Independence of the Egyptian Judiciary
- Alexandrian Investment and Development Fund
- Constitution in Brief
- Egypt at Crossroads
- Honoring Mothers of the Martyrs
- Jour d’Alexandrie
- The Future of the Student Movement after 25 January
- The Political Scene in Egypt
- Poet Ahmed Bekhit
- Iman El-Bahr Darweesh
- Revolution and Literature
- Seminar Hosting Poet Abd El-Rahman Youssef

- The Revolutionary Parallel Text
- Literature in Municipalities
- AIESEC – YES Project
- First Aid
- Rules of Political Work
- No Tobacco Day
- Tomorrow's Egypt: Challenges and Duties
- The Future of Energy in Egypt
- What's Next?
- Narrative Review:
 - Iraqi Writer Abd El-Elah Abd El-Qader
 - Television Narrative (*El-Aar*)
 - Discussion of *El-Nabaty*
 - A Tunisian Critic and Alexandrian Writers
 - Mona El-Shimi, a Writer from the South
 - Sudanese Writer Tareq El-Tayeb
 - Tunisian Writer Salah El-Din Bogah
 - "Askalani and the Writers of Alexandria"
 - Discussion of the Novel *Fawq Al-Ahmar Taht Al-Banafsegy* (Ultra-red, Infra-violet)
 - An Author and Four Critics
 - Discussion of the Collection Ashgan El-Raheel (Nostalgia)
 - Discussion of the Novel *Zeus Yageb an Yamout* (Zeus Must Die)
- Legal and Constitutional Awareness Program:
 - Constitutions between the Religious Source and the Civil State
 - Establishing Political Parties in Egypt in Light of the New Legal Structure
 - Suggested Constitutional Guarantees for Fair Distribution of National Wealth and the Right to Comprehensive Development
 - Present and Suggested Legal Guarantees for Recovery of the People's Stolen Funds
 - Legal and Constitutional Guarantees for a Sound Parliamentary System
 - Legal Guarantees for Fair Trials
 - Legal and Constitutional Guarantees for an Independent Judiciary
 - Suggested Guarantees to Enact the Constitution



- Egypt and the Nile Basin Countries
- The Journey from a Research/Business Idea into Reality
- Fine Talks
- Gala Evening of the Egyptian Writers' Union
- Nations Progress Program: Turkey
- Towards a Better Alexandria: The Police and the People Join Hands for Security and Stability
- Dialogue Forum Seminars
- Drama Scripts Written by the Audience
- Space Technology Program
- Selected Poems of Amal Donqol
- Islamic Cairo
- Corruption and Planning of Cairo
- New Scientific Research Tools for History and Archeology
- The Historical Map and Information System of Luxor's West Bank
- The Architecture and Maps of Cairo
- The Al-Darb Al-Sultani (Sultan's Highway) and Cairo Cemeteries
- The Door Knocker
- The Future of Archeology in Egypt
- The Story of the Sennari House
- New Visions for Egypt Drawing on its History
- The Role of Political Parties and Forces in the Coming Stage
- The Future of Tourism in Egypt
- Algerians in Egypt
- Coptic Heritage is a Heritage of All Egyptians
- Preservation of Heritage: Principles and Definitions
- Egypt's Potential
- Together We Can Make Our Dreams Come True: Leftist Views on the Future of Egypt
- The Future of Vocational Syndicates in Egypt Post 25 January
- The Future of Healthcare Services in Egypt
- The Re-Trial of Soliman Al-Halabi
- First Aid Skills
- Poetry: Its Effects and Affects in the Aftermath of the Revolution

Theater

- Under Threat
- Marouf Al-Iskafi (Marouf, The Cobbler of Cairo)

Training and Educational Courses

- Alexandria International Model United Nations (AIMUN) 2010
- Hieroglyphic Courses for Children and Young People
- Hieroglyphic Courses for Adults
- Conflict Resolution
- Cultural Course for Youth

- Research and Training Methods in Peace and Conflict Studies
- Alexandria Model European Union (MEU) 2010 - Training
- Training of Trainers (ToT)
- The 2nd Hellenistic Studies Workshop
- Hellenistic Studies Masters Summer Course:
 - Hellenistic Artistic Schools
 - Greek I
 - Hellenistic Architecture and the Topography of Alexandria
 - Methodology and Research Skills
 - Greek History
 - Latin I
 - Alexandrian and Hellenistic Arts
 - Tradition and Innovation in Alexandrian Literature
 - Greek Culture
 - Hermeticism and Neoplatonism
 - The Ptolemaic Kingdom
 - Greek II
 - Alexandrian Literature on Papyrus
 - The History of Greece in the Hellenistic Period
 - Hellenistic Religion
 - Roman History
 - Latin II
 - Botany and Pharmacology
 - Greek Literature
 - Comparative Alexandrian Literature
 - Greek Art
 - Sources of the History of the Hellenistic Period
 - The Seleucid and Pergamene Kingdoms
 - Hellenistic Inscriptions, Papyri and Coins
 - Cultural Interaction Between Ancient Egypt and Greece



- Gender and Peace Building
- The Fourth Arabic Calligraphy Course for Adults – First Level
- Challenges of Building Culture of Peace
- Elections Monitoring
- PSC Science Club – Teachers’ Training
- Mediation and Negotiation
- Conflict Transformation
- Model Nile Basin Initiative (MNBI) 2010 – Training Session
- ISC Arab – Teachers Session
- The First Course for Teaching Kufi Calligraphy
- The Marshmallow Challenge
- Train the Trainers (ToT) on Road Safety
- Meetings with the Arabic Calligraphy Workshop Participants
- Political Awareness Training Program to Youth
- Human Rights
- Grass-root Media Project – Training
- Arabic Calligraphy for Children and Young People
- Teachers’ Training
- Professional Market Traders (PMT)
- Lube Oil Shops Repositioning Training
- The Big Read 2010 – Drama

Workshops

- Alexandria International Model Arab League (AIMAL 2010)
- Recycling
- How to Write a Business Plan
- Beyond Identity
- Graphics
- How to Start Your Own Business
- Criticism Workshops:
 - What is Poetry?
 - Poems Concepts
 - The Theory of the Novel
 - Readings of *Mousem El-Hegra Ela Al-Shamal* (Seasons of Migration to the North)
- Literary Alexandrian Studies
- Children Law and Children Protection Committees
- Presentation skills
- Weather
- Problem Solving
- Puppet Theater
- PSC Summer Program 2010:
 - Biodiversity
 - Mathematics
 - Papermaking

- Building
- Scratch
- History of Science Museum
- Let's Figure Out How Much We Harm Our Earth
- Sustainability
- Play with a Scientist
- Our Planet
- Liquid Density in My Glitter Globe
- Genetic Biodiversity
- You Are What You Eat
- Cooking
- Plant Power
- PSC Summer Program 2011:
 - Science behind Art
 - Chess
 - Everyday Changes
 - Do It Yourself: Compounds
 - The Mediterranean
 - Kids City
 - Do It Yourself: Remedies
 - Espionage
 - Le Génie des Pyramides
- Fun with Science Program
- Creative Thinking: How to Get Your Business Idea?
- Blogging Against Climate Change
- RNAi – Open New Promising Future Pharmaceutical Market
- Creative Writing
- Fundraising for New Projects
- The Alexandria Center for Hellenistic Studies 2nd Summer Workshop
- The Experience of Dialogue in Egypt



- Team Building
- Life Skills for Young People
- Guidelines for Researchers
- Origami
- Marine and Coastal Zone Environmental Management: Risk Analysis and Mitigation for Sustainable Growth
- Education Reform
- In Love with Egypt: Revolution in the Eyes of Arabic Calligraphy
- IEEE Day
- Biorobotics Workshop
- Career Development
- Cloud Computing Workshop: Technology and Business
- PSC School Year Program 2010/2011:
 - Transformers
 - The Wonders of Physics
 - Journey to the Center of the Earth
 - How Heavy!
 - Mechanisms and Movement
 - How Much Space?
 - Flowing Electrons
 - Exploring the Five Senses
 - Get Soaked!
 - Investigating the Nervous System
 - What is “Matter”?
 - Genetics
 - Physical and Chemical Changes
 - Volcanoes and Earthquakes
 - Light
 - Electronics
 - Invisible Ink
 - Chemistry
 - Animal Adaptation



- First Aid
- “Youth for Change” Program
- Sustainable Architecture and Urban Planning
- Ultimate Pharmacist (UP) Project
- MedMem: Building a Plan for Safeguarding Audiovisual Archives
- BA Political Awareness Program: Referendum Step by Step
- Step Up Youth Initiative:
 - Arts and Culture Program
 - Entrepreneurship Program
 - Informal Education Program
- Youth Fair
- Development Workshops
- The Egyptian Cabinet Simulation
- Leadership
- Students are Back
- Capture the Moment
- Alexandrina World Music Festival III Workshops
- From an Innovative Idea to a Successful Business in 54 Hours
- Historic Paper and Ink
- Shaping Futures
- BA Political Awareness Program – Culture of Dialogue
- Young People’s Library Book Club
- Abaza & Spontaneous Creativity
- Leather Handcrafts
- Plasticine Drawing
- Drawing on Water
- Weaving
- Cloth Doll
- Mosaic Scenes
- How to Make a Copper Mural



- Wooden Animals
- Play with Copper Chips
- Batik
- St. Catherin Camp
- Theater Games
- The Amphores
- Arts Bazaar (Minya)
- Fiesta del Mar (2 days)
- Shadow Theater
- Mural Workshop
- Animation Films
- Science Festivity
- 3D Plasticine
- Radio Making
- Pantomime
- Motion Picture
- Papier Mache
- Photomontage
- Plaster
- Pottery
- Marble Art
- Caricature
- Oil Painting
- Portraits
- Percussion
- Oriental Percussion
- Choir



STATISTICAL SNAPSHOTS

Library Sector

Main Library Memberships

General Public	11,793
Children (ages 6–11)	3,114
Young People (ages 12–16)	2,520
Blind and Visually Impaired	211
Total Memberships	17,638

Visitors to BA Specialized Libraries

Taha Hussein Library	982
Young People's Library	18,004
Children's Library	23,564

BA Collection (Volume Count)

Volumes in Open Stacks	280,248
Volumes in Closed Stacks	151,996
Volumes Under Processing (including the French Collection)	449,018
Nobel and Shadi Abdel Salam Collections	4,264
Specialized Libraries Collection (including multimedia materials)	108,981
Maps	6,867
Theses	87,159
Depository Collection	26,888
Digital Collection (books available in digital format only)	8,480
Print Scholarly Journals (including Depository Periodicals)	7,806
Daily Newspapers/Magazine Titles	88
Online Databases* (including Depository Databases)	44
Electronic Journals (unique titles)	65,054
Electronic Books	95,476
Total	1,292,369

* Online databases include approximately 1,200,000 electronic theses.

Donations

Material Type	No. of Items Donated	%
Books	68,655	89.4%
Maps	26	0.0%
Multimedia	1,667	2.2%
Periodicals	6,089	7.9%
Other	360	0.5%
Total Donations	76,797	100%

BnF Collection

Books Donated to the BA	500,000
Books Searchable on OPAC	114,000
Books in BnF Exhibition	1,742

Acquisitions - Monographs

Language	Total Value in EGP	% Value	Total Items	% Items
Arabic	296,380.25	28.2%	2,249	58.9%
English	751,192.29	71.5%	1,562	40.9%
French	552.17	0.1%	2	0.1%
Other	1,930.19	0.2%	6	0.2%
Total	1,050,054.90	100%	3,819	100%

Acquisitions - Serials

Language	Total Value in EGP	% Value	Total Items	% Items
Arabic	178,135.45	9.2%	199	30.8%
English	57,343.62	3.0%	45	7.0%
French	1,671,569.24	86.3%	385	59.5%
Other	30,309.83	1.6%	18	2.78%
Total	1,937,358.14	100%	647	100%

Manuscript Center & Manuscript Museum

Cataloging and Processing Activities

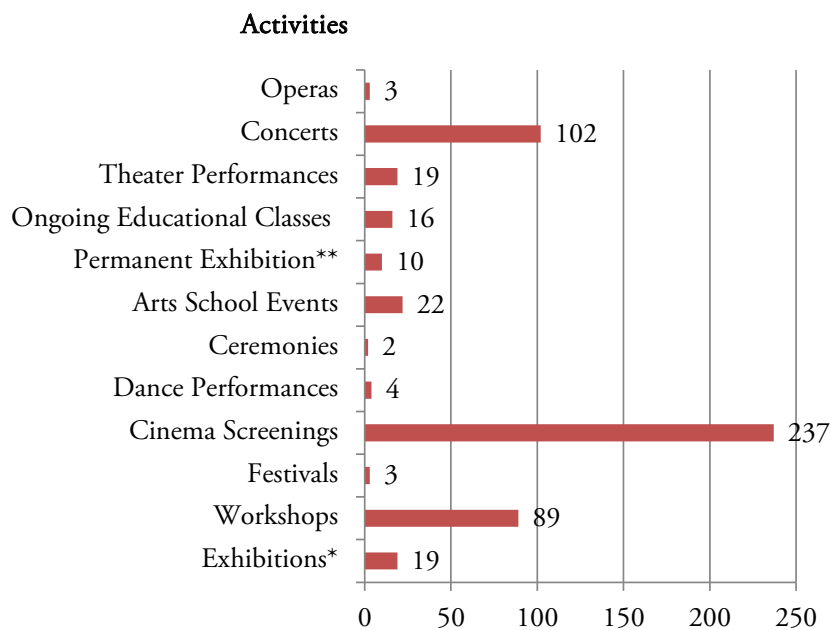
Activity	Number
Microformed Manuscripts Cataloging	4,227
Microfilmed Manuscripts Cataloging Data Revision	2,788
Calatoging and Processing of Books	2,547
Calatoging and Processing of Periodicals*	10,069
Cataloging of Original Manuscripts	43
Microformed Manuscript Transformation	2,044
Original Manuscript Digitization	265
Manuscript Exchange	6,000

* 152 new titles

Visits

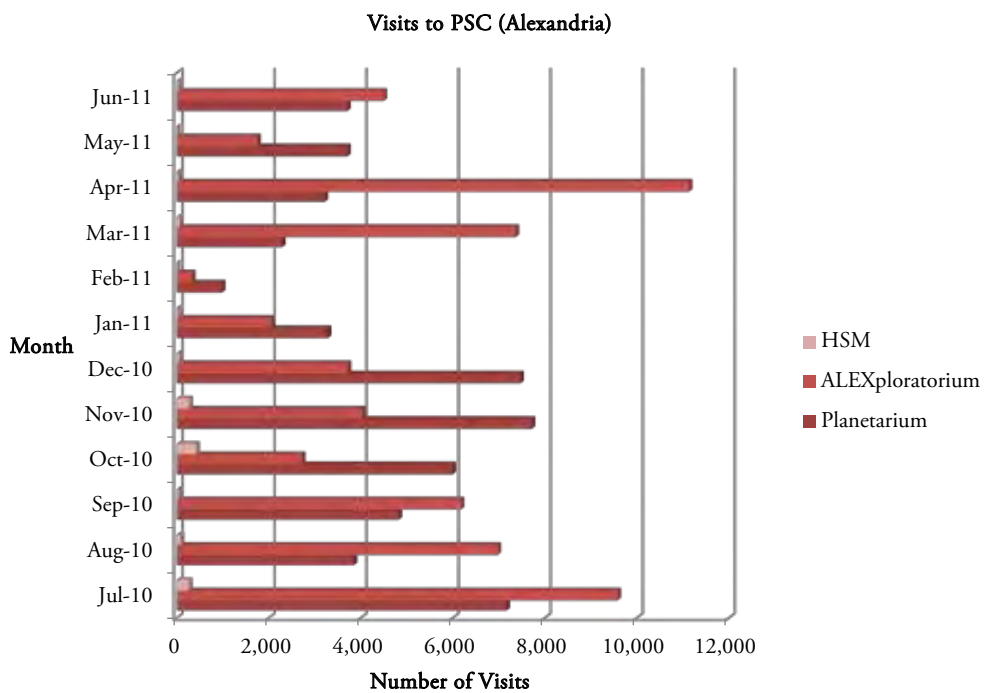
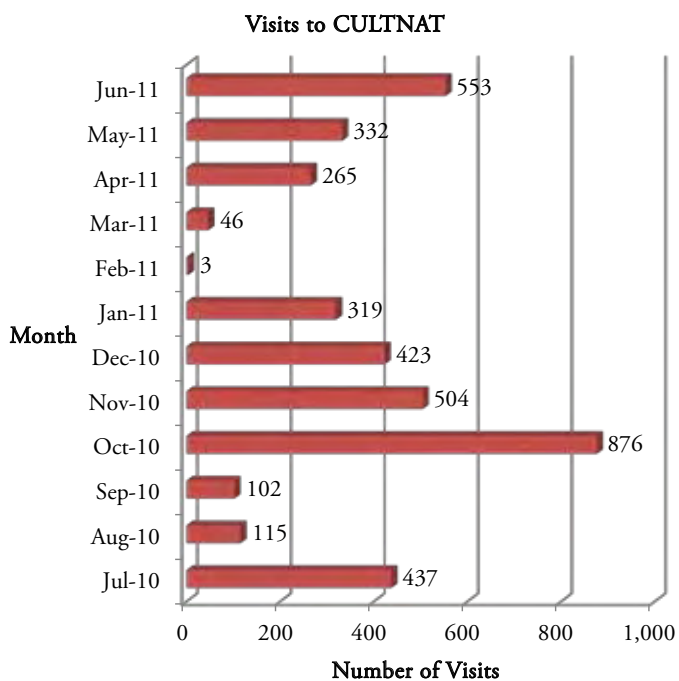
Manuscript & Rare Exhibition Museum	28,646
Manuscripts & Microfilms Reading Rooms	676
Rare Books & Special Collections Reading Room	2,042

Arts Center



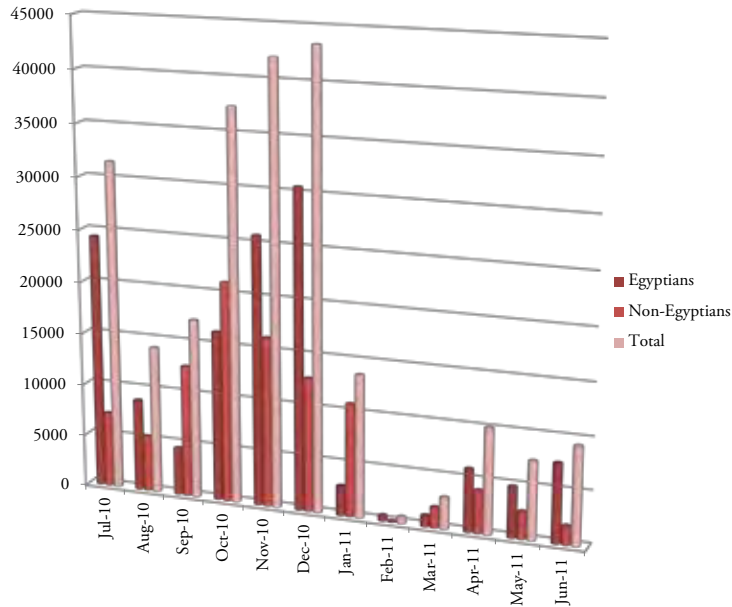
* Ranging from 7 to 50 days per exhibition.

** In March 2011.

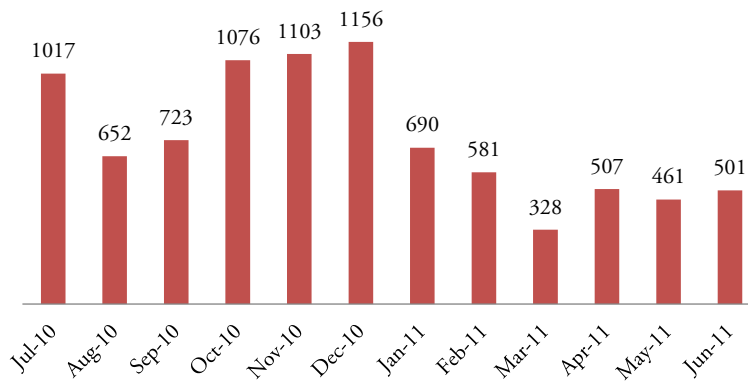


BA Visits

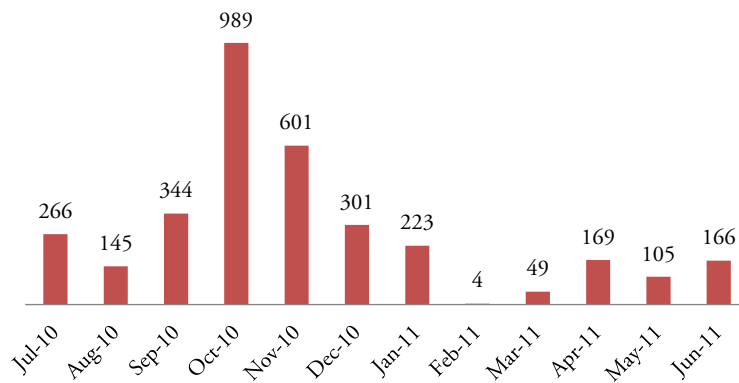
Egyptian & Non-Egyptian Visitors



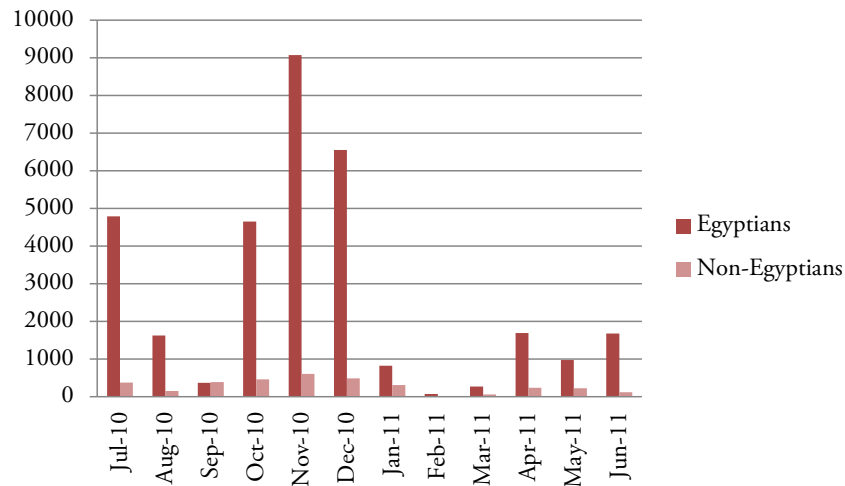
Guided Tours



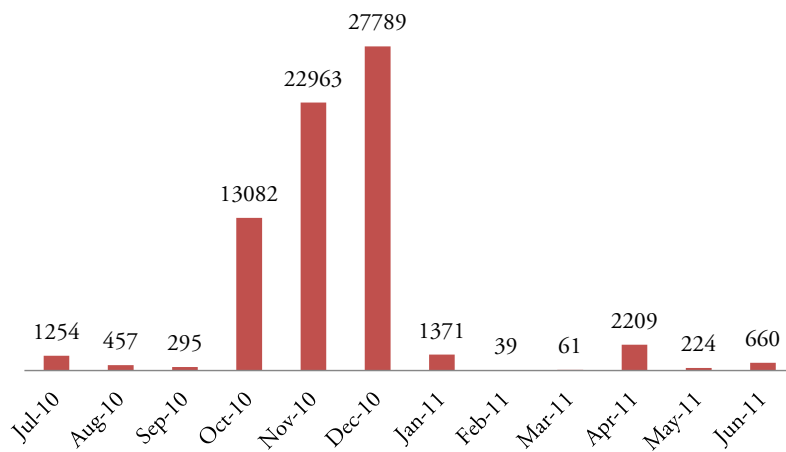
VIP Visitors



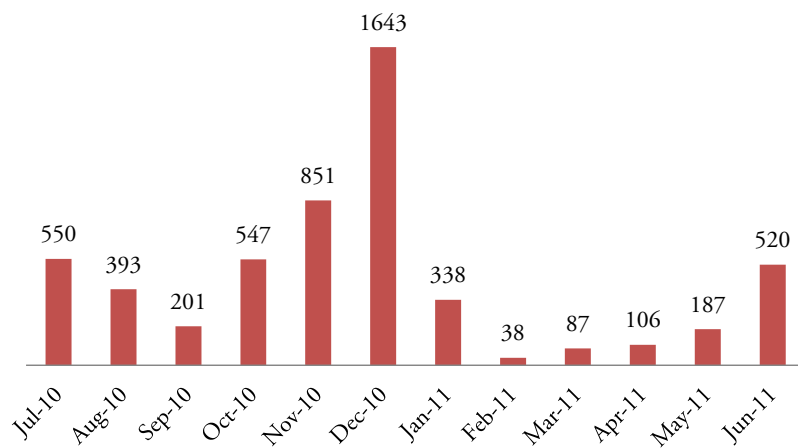
CULTURAMA Visitors



School Students

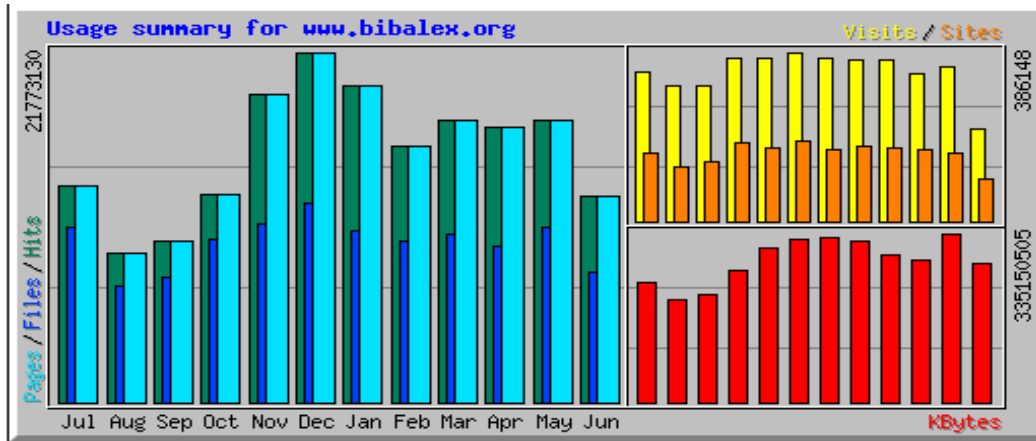


Day Care Facility Visitors

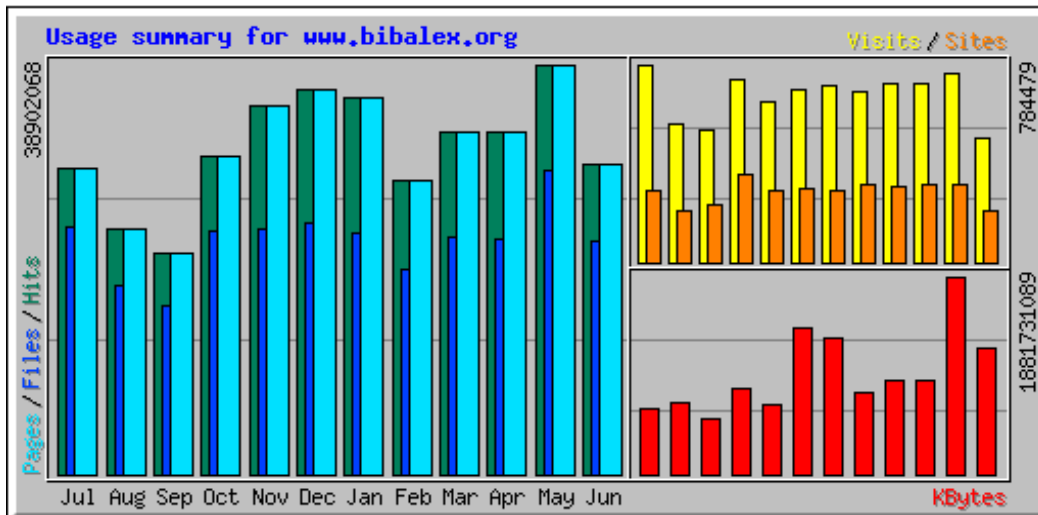


Information & Communication Technology

Usage Statistics for www.bibalex.org

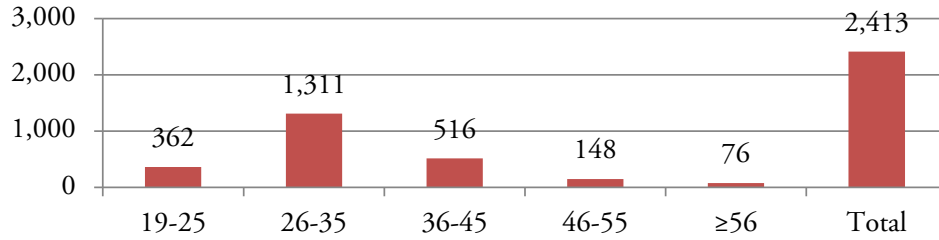


Usage Statistics for Bibalex Collective

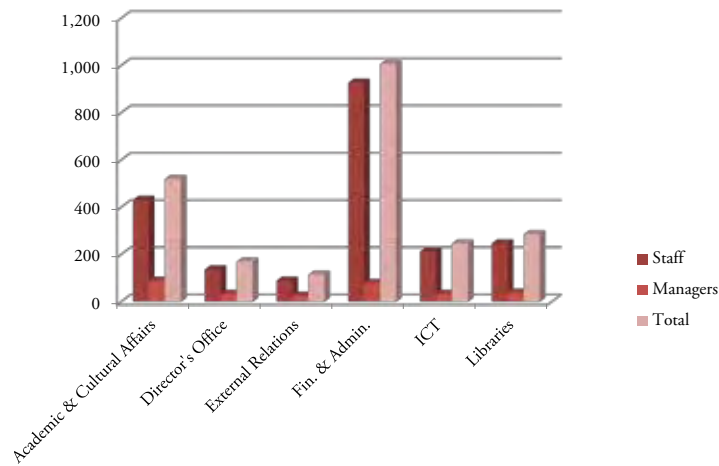


Personnel Department

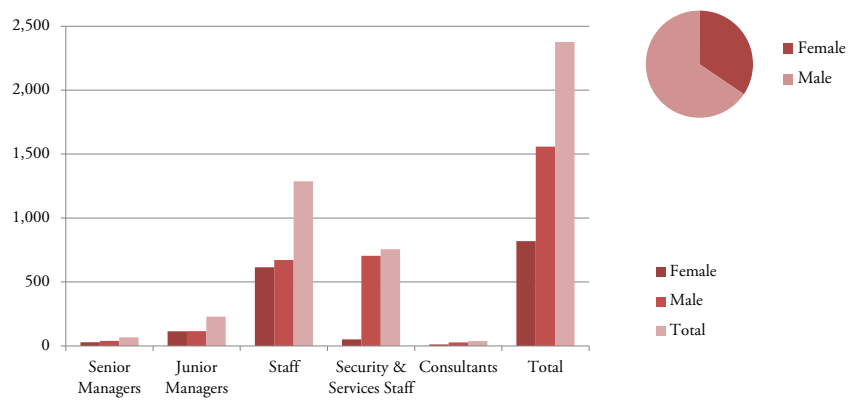
Age Distribution



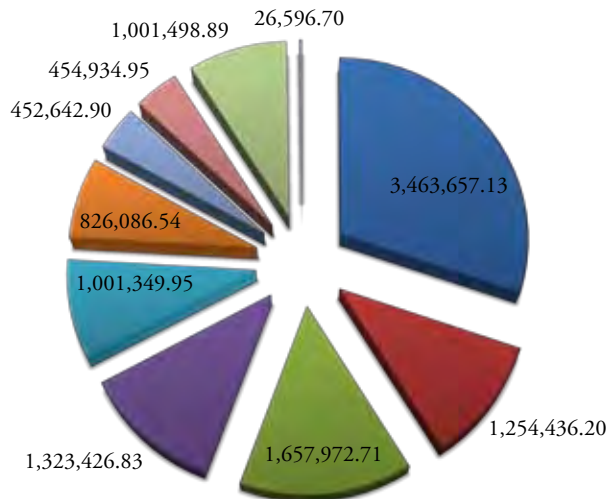
Job Categories by Sector



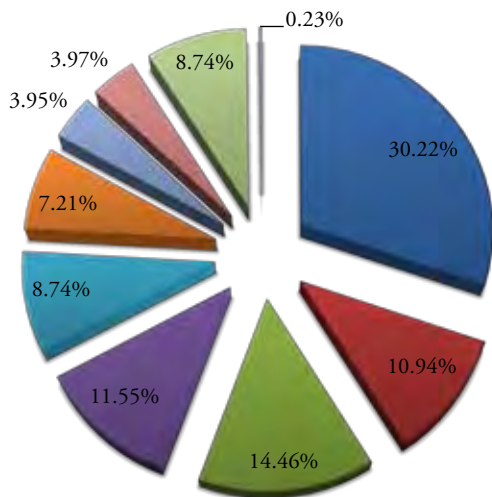
Gender Distribution by Category



Value of Categorized Items in Stores



- Books, Magazines, Brochures, Flyers, Archive & CDs
- Bookshop-Purchased Items
- Bookshop-Consignment Items
- Stationery Items
- Electrical Items
- Miscellaneous
- In-Transit Store Items
- Manuscript Items
- ICT Items
- Returned Items



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AUDITOR'S REPORT

To The Members Of The Board Of Trustees Of Bibliotheca Alexandrina

Report on the Financial Statements

We have audited the accompanying financial statements of Bibliotheca Alexandrina which comprise the balance sheet as at June 30, 2011, and the related statement of revenues and expenses and Statement of receipt and expenditure for the financial year then ended, and a summary of significant accounting policies and other explanatory notes.

Management's Responsibility for the Financial Statements

These financial statements are the responsibility of Bibliotheca's management. Management is responsible for the preparation and fair presentation of these financial statements in accordance with accounting policies listed in note (3) of the notes to the financial statements and in the light of the prevailing Egyptian laws, management responsibility includes, designing, implementing and maintaining internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error; management responsibility also includes selecting and applying appropriate accounting policies; and making accounting estimates that are reasonable in the circumstances.

Auditor's Responsibility

Our responsibility is to express an opinion on these financial statements based on our audit. We conducted our audit in accordance with the Egyptian Standards on Auditing and in the light of the prevailing Egyptian laws. Those standards require that we comply with ethical requirements, plan and perform the audit to obtain reasonable assurance whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion on the financial statements.



Hazem Hassan

*(Translation from Arabic)****Opinion***

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of Bibliotheca Alexandrina as of June 30, 2011, and the results of its operations and its cash receipts and expenditures for the year then ended in accordance with accounting policies listed in note (3) of the notes to the financial statements and in the light of prevailing Egyptian laws and regulations relating to the preparation of these financial statements.

Emphasis of matter

Without qualifying our opinion, we draw attention to:-

As indicated in note (33) of the notes of the financial statements and according to the report of Bibliotheca Alexandrina's Legal Advisor, an accusation was reported to the District Attorney stating the existence of a bank account amounting to USD 145 million related to Bibliotheca Alexandrina not recognized in the books of Bibliotheca Alexandrina. The investigations conducted by the District Attorney revealed that Bibliotheca's management does not have any right to manage this account, in addition the District Attorney issued a foreclosure order on this account.

The Bibliotheca's Legal Advisor foresees that, the acknowledgement of Bibliotheca Alexandrina's rights to that account shall be determined based on the rulings issued in case no. (1) for year 2011.

Report on Other Legal and Regulatory Requirements

The Bibliotheca maintains proper books of account, which include all that is required by law and by the statutes of the Bibliotheca, and the accompanying financial statements are in agreement therewith, and the inventories, Rare collections, Scripts and Arts works count was performed by the Bibliotheca's management in accordance with methods in practice.

KPMG Hazem Hassan

Alexandria on April 17, 2012

Statement of Revenues and Expenses for the Financial Year Ended 30 June 2011

	Note no.	30/6/2011 EGP	30/6/2010 EGP
Revenues			
Governemental Revenues			
Restricted Grants from Ministry of Finance	(1)	128,081,327	110,080,500
Miscellaneous		1,096,330	872,101
		129,177,657	110,952,601
Other Revenues			
Financed Projects Revenues	(2)	12,909,228	17,793,278
Revenues from Operating Activities	(3)	7,591,573	10,548,078
Interest Income	(4)	18,150,993	16,875,737
Miscellaneous	(5)	8,558,389	9,530,243
Capital Gains		0	261,024
Transfer to Reserve Fund Financing Fixed Assets		0	(261,024)
		47,210,183	54,747,336
Total Revenues		176,387,840	165,699,937
Expenses			
Salaries and Wages		(113,093,257)	(90,415,121)
General and Administrative Expenses	(7)	(57,954,721)	(66,756,320)
Provisions	(8)	(4,153,779)	(2,500,000)
Foreign Currency Exchange Differences	(6)	494,343	(1,003,255)
Depreciation	(9)	(45,981,949)	(48,026,676)
Transfer to Reserve Fund Financing Fixed Assets		45,981,949	48,026,676
		(174,707,414)	(160,674,696)
Surplus/(Deficit)		1,680,426	5,025,241

The accompanying notes are an integral part of the financial statements and to be read therewith.

Footnotes for Income Statement

1. **Restricted Grants from Ministry of Finance** represents grants from the ministry of finance against wages and salaries, current expenses...etc.
2. **Financed Project Revenues** represents donations from international and national institutions, businessmen and individuals.
3. **Revenues from Operating Activities** represent entry tickets, memberships, book fairs, museums, and other artistic activities.
4. **Interest Income** represents the funds earned on the EGP127.37 M Saving Certificates (Restricted Donations) plus interest on other deposits and certificates.
5. **Miscellaneous** represents venue rentals and miscellaneous use of assets charges.
6. **Foreign Exchange Differences** represent the result of foreign currency monetary transactions revalued at the date of the Balance Sheet.
7. **General and Administrative Expenses** represent all operation costs such as conference expenses, utilities, exhibitions, taxes, travel and others.
8. **Provisions** providing for employees' end-of-service benefits, contingent liabilities and allowance for bad debt.
9. **Depreciation** represents the calculated depreciation on the Bibliotheca Alexandrina Fixed Assets applying the Straight Line Method.

Balance Sheet as of 30 June 2011

	Note No.	30/6/2011 EGP	30/6/2010 EGP
Assets			
Current Assets			
Cash in Banks and on Hand			
Current Accounts and Cash on Hand	(1)	13,650,409	10,077,816
Time Deposits	(2)	44,227,578	38,915,863
Investments in Short Term Saving Certificates	(10)	12,950,000	0
		70,827,987	48,993,679
Debtors & Other Debit Balances	(4)	16,573,996	11,989,390
Inventory	(5)	12,824,220	12,228,133
Total Current Assets		100,226,203	73,211,202
Long Term Assets			
Fixed Assets (Net)	(6)	1,045,676,374	1,072,147,182
Projects in Progress	(7)	63,159,387	52,781,634
Purchased Collections	(8)	881,920	799,196
Other Long Term Assets (International Communication Circuit Usage Contract) (Net)	(9)	6,840,824	7,645,627
Investments in Long Term Saving Certificates	(10)	0	12,950,000.00
Investments in Saving Certificates (Restricted Donations)	(3)	127,370,000	127,370,000.00
Investment in Subsidiaries	(11)	238,750	238,750.00
Total Long Term Assets		1,244,167,255	1,273,932,389
Total Assets		1,344,393,458	1,347,143,591
Liabilities and Reserve Fund			
Current Liabilities			
Provisions	(12)	15,000,000	11,500,000
Suppliers	(13)	13,443,948	11,298,515
Creditors - Fixed Assets	(14)	1,293,188	786,033
Retentions		6,924,423	5,969,123
Accrued Expenses		5,969,271	3,036,224
Creditors and Other Credit Balances	(15)	43,952,028	43,611,760
Total Current Liabilities		86,582,858	76,201,655
Reserve Fund	(16)	1,130,440,600	1,143,571,936
Restricted Donations		127,370,000	127,370,000
Total Liabilities and Reserve Fund		1,344,393,458	1,347,143,591
Contra Accounts	(17)	113,605,769	117,805,141

The accompanying notes are an integral part of the financial statements and to be read therewith.

Footnotes for Balance Sheet

1. Current Accounts and Cash on Hand

Funds available from the Government and from the private accounts to settle the contractors invoices, fees and retention monies.

2. Time Deposits

This account represents the value of EGP time deposits at CIB Bank which mature during a period between a month and six months.

3. Investments in Saving Certificates

Money endowed by the Ministry of International Cooperation and Qatar Foundation. Principal is restricted for unlimited period while yield is used to finance various operational and intellectual activities.

4. Debtors and other Debit Balances

Balances of prepaid expenses, accrued revenues and imprest accounts used to speed up the operations.

5. Inventory

Valued at cost, moving average is the pricing policy.

6. Fixed Assets

The figure includes the net historical cost of the assets plus what has been brought into use during the year, including but not limited to land, buildings, books, vehicles, electronic devices, etc. The Straight Line Method is used to calculate depreciation.

7. Projects in Progress

Payments for developing Antoniadis Palace and constructing storage areas in Borg El Arab City, increasing heating capacity for air condition equipment, the Supercomputer Project, the Fire Alarm System and the Science City Project which will be added to the Fixed Assets when ready for use.

8. Purchased Collection

Investments in rare collections, scripts and artworks. They are periodically re-evaluated by a specialized committee.

9. Other Long Term Assets

The figure indicates BA usage contract of the international communication circuit (NET).

10. Investments in Saving Certificates

Investment in Saving Certificates are recorded at acquisition cost maturing on November 20, 2011.

11. Investments in Subsidiaries

According to the Board of Trustees decision approving the establishment of three companies to handle the BA's interests in commercial ventures involving the long-term resource mobilization strategy.

12. Provisions

A provision is recognized in the balance sheet when there is present legal or constructive obligation as a result of a past event, and it is probable that an outflow of economic benefits will be required to settle the obligation.

13. Suppliers

This figure includes accounts payable to suppliers at the time of the balance sheet.

14. Creditors - Fixed Assets

Represent amount due to contractors, consultants and other suppliers for the acquisition of fixed assets.

15. Creditor and Other Credit Balances

Balance of creditors restricted for financed projects, the surplus of National Investment Bank, prepaid rent and other creditors.

16. Reserve Fund

Fund provided by the Government (Ministry of Finance), representing the capital cost of the project and the acquisition of new assets, adjusted by the net result of the operations activities and fixed assets depreciations.

17. Contra Accounts

Include the value of Rare Collections, Manuscripts, Permanent Exhibitions and Artwork. They are valued periodically according to specialized technical committees, and the value of letters of guarantee received.

BOARD OF TRUSTEES

Individual Members

Fayza Aboul Naga was the first female Minister of State for Foreign Affairs and International Cooperation in Egypt and the Arab World in 2001. In 2004, she was appointed Egyptian Minister of International Cooperation.

Before joining the Egyptian Cabinet of Ministers, she was Permanent Representative of Egypt to the United Nations in Geneva, 1999–2001; Deputy Vice-Minister of Foreign Affairs for African Affairs, 1997–1999; and Political Adviser and Special Assistant to the Secretary-General of the United Nations, Dr. Boutros Boutros Ghali, 1992–1996. She is a member of a number of policy-making ministerial committees. She is also Member of the Policy Advisory Committee of the World Intellectual Property Organization.

Fayza Aboul Naga obtained a Diploma in Public Administration from the *Institut International de l'Administration Publique* of Paris in 1977, and a Master's degree in Political Sciences from the University of Geneva, in 1989.



Fayza Aboul Naga
Egypt
Member as of 2008

Bruce Alberts is a prominent biochemist. He is Editor-in-Chief of *Science* Magazine, and a United States Science Envoy. He is also Professor Emeritus in the Department of Biochemistry and Biophysics, University of California, San Francisco. He is one of the original authors of *The Molecular Biology of the Cell*, now in its fifth edition. During 2005–2009, Bruce Alberts was the Co-Chair of the InterAcademy Council. During 1992–2005, he was President of the United States National Academy of Sciences.

He currently serves on the boards of more than 25 non-profit institutions. He is a member/foreign member of the National Academy of Sciences; the Royal Society, London; Academia Europaea; the European Academy of Arts and Sciences; and the National Academy of Education. He has earned 17 honorary degrees and more than 11 awards.

Bruce Alberts obtained an AB in Biochemical Sciences, *summa cum laude*, in 1960 from Harvard College; and a PhD in 1965 from Harvard University.



Bruce Alberts
USA
Member as of 2008

Mehriban Aliyeva is Azerbaijan's First Lady, and a qualified doctor. She heads the Heydar Aliyev Foundation, established in May 2004. She is Member of the Political Board of New Azerbaijan Party since 2004.

In 2006, she became Goodwill Ambassador of ISESCO, and Goodwill Ambassador of UNESCO for Oral and Musical Traditions in 2004. She founded *Azerbaijan-Irs* Magazine in 1996, published in three languages (Azerbaijani, English and Russian), to promote the Azerbaijani culture.

She received numerous awards, including the Officer Class of the National Order of Legion of Honor, France (2010); the Grand Commander's Cross of the Order of Merit of the Polish Republic (2009); the Heydar Aliyev Prize (2009); and the World Health Organization Prize (2007).

Mehriban Aliyeva received a Candidate of Philosophy academic degree in 2005.



Mehriban Aliyeva
Azerbaijan
Member as of 2010



Hossam Badrawi
Egypt
Member as of 2008

Hossam Badrawi is an eminent Egyptian physician and a well known politician. He is currently a Professor of Obstetrics and Gynecology at the Faculty of Medicine, Cairo University. He is a trailblazer of the private health care sector with his distinguished vision for health care financing, management and provision.

He chairs the Badrawi Foundation for Education and Development, a non-profit family foundation working for human development in Egypt. He initiated, and is Honorary Chair of ENCC.

He currently serves on the boards, committees and councils of numerous institutions and non-profit organizations. He chaired the PNoWB/MENA chapter, an initiative developed with the World Bank (2003–2006).

In 2008, he received an honorary PhD in Science from Sunderland University, UK, for his outstanding work in higher education reform in the Middle East Region, and is considered the leader of education reform in Egypt.



Rahma Bourqia
Morocco
Member as of 2010

Rahma Bourqia is currently the President of the University of Hassan II-Mohammedia. She is the first female to be appointed to this position in any Moroccan university, and the first female member of *l'Académie du Royaume du Maroc*.

Rahma Bourqia is an expert on women's rights in Morocco and the Arab World, and a Visiting Professor in numerous American, European, and Arab universities. She was Head of the Training and Research Unit for Water and Civilization, 2001/2002.

She is a member of numerous boards, committees and commissions. She has received several awards, including the Decoration of the Royal Throne, 2006; the Middle East Award, Population Council, North Africa and East Asia Regional Office, 1990; and the Malcolm Kerr Award for Best Dissertation, the American Association of Middle East Studies, 1988.

Rahma Bourqia published many works and articles on Morocco as a State, Moroccan culture and history, and women and youth. She has obtained a Doctorate in Sociology from Manchester University.



Adel El-Beltagy
Egypt
Member as of 2006

Adel El-Beltagy is a Professor of Arid Land Agriculture at Ain Shams University, Cairo. He is currently the Chair of GFAR, ARDC, and IDDC.

Throughout his career, Adel El-Beltagy held numerous positions related to agriculture. He was Director-General of ICARDA, 1995–2006; Chairman of the Scientific Technical Council of SSO, 1993–2002; Director/Board Chairman of the Agricultural Research Center, Egypt, 1991–1995; and First Under-Secretary of State for Land Reclamation, Egypt, 1986–1991.

Adel El-Beltagy has been awarded Al-Istiklal Medal by His Majesty King Abdullah II bin Hussein of Jordan. He has authored/co-authored more than 140 scientific publications.

He obtained his PhD in Stress Physiology during 1974 from the University of Wales, UK.

Hisham El-Sherif is a leading authority on Telecommunications and IT in Egypt, the Middle East and the developing world. He is currently Chairman and CEO of IT Investments; Founder and Chairman of Nile Online; and a Commissioner of the Washington-based Global Information Infrastructure Commission. He is a Professor at the American University in Cairo since 1991.

He co-founded the Egyptian Cabinet IDSC in 1985, and chaired its Advisory Board until 1999.

He has served as Chairman and Member on a number of boards, including the Advisory Board of the Egyptian Museum; Egypt Internet Society; the Children with Special Needs Initiative, and the US–Egypt President’s Council.

He has received several awards, including the First Order Medal of Science and Arts (1999); the World First Prize in Information Systems from SIM (1998), and the French Knighthood (1991).

Hisham El-Sherif received his PhD from MIT in Business and Engineering.



Hisham El-Sherif
Egypt
Member as of 2010

Nina V. Fedoroff, a geneticist and molecular biologist, is the Willaman Professor of Life Sciences and Evan Pugh Professor, Biology Department, and Huck Institutes of the Life Sciences, Pennsylvania State University.

She has served as the Science and Technology Advisor to the US Secretary of State since 2007. In 2003, she became a member of the External Faculty and Science Steering Committee of the Santa Fe Institute.

She is a member of numerous scientific academies and a number of editorial boards, as well as international scientific boards and councils, including the *Proceedings of the National Academy of Sciences*, *Science Magazine*, *Gene Journal*, and *The Plant Journal*.

She was honored as an Outstanding Contemporary Woman Scientist by the New York Academy of Sciences in 1992. She has published two books and numerous papers in scientific journals.

Nina Fedoroff received her PhD in Molecular Biology from the Rockefeller University in 1972.



Nina V. Fedoroff
USA
Member as of 2009

Walter Fust is President of Globethics.net since 2008; and lectures at the University of Lugano, Switzerland, on International Communication.

He is a Member of the International Forum of Federations (Ottawa); IRGC, Geneva; UN CEPA; and a board member on different philanthropic foundations.

Walter Fust joined the Swiss Diplomatic Service in 1975. He also served in a number of positions, including CEO/Director-General of the Global Humanitarian Forum, Geneva, 2008–2010; Chairman of the International Programme for the Development of Communication Council, UNESCO, 2008–2010; Member of the Advisory Board of the UN ECOSOC, 2005–2007; Head of SDC, 1993–2008; and Secretary-General of the Ministry of Interior, 1990–1993.

Walter Fust received numerous international honors and awards. He studied at St. Gallen University and graduated with a Master’s degree in Political Science.



Walter Fust
Switzerland
Member as of 2008



Hans van Ginkel
The Netherlands
Member as of 2009

Hans van Ginkel is a Professor in Human Geography and Planning and Rector Magnificus at Utrecht University.

He is Honorary Member of the Commission on the History of Geographical Thought of the IGU. He is Member and Vice-Chair of the Board of Trustees of the AIT, Bangkok; Member of the Governing Board of UNESCO-IHE in Delft; and the International Advisory Board of the ISS, The Hague.

He was the Treasurer of the NUFFIC, 1986–1997. He was appointed Rector of the United Nations University in Tokyo, 1997.

He has contributed to numerous international organizations. He has also received numerous international awards and honorary doctorates.

Hans van Ginkel completed his MSc studies at Utrecht University, in 1966, in human and physical geography, anthropology and history, *cum laude*. In 1979, he obtained a PhD in Social Sciences.



Susan Adele Greenfield
United Kingdom
Member as of 2006

Baroness **Susan Adele Greenfield** is a British scientist, writer, broadcaster, and member of the House of Lords. She is Professor of Pharmacology at the University of Oxford, and Director of the Institute for the Future of the Mind, James Martin 21st Century School.

In 2006, she was installed as Chancellor of Heriot-Watt University in Edinburgh, and was Director of the Royal Institution of Great Britain—the first female to hold that position—until January 2010.

She has written several popular-science books about the brain and consciousness, including *ID: The Quest for Identity in the 21st Century* (2008); and *Tomorrow's People: How 21st Century Technology is Changing the Way We Think and Feel* (2003).

Baroness Greenfield created three research and biotechnology companies: *Synaptica*, *BrainBoost*, and *Neurodiagnostics*. She is also founder and trustee of the charity Science for Humanity.

Baroness Greenfield has held many trusteeships and advisory positions, and received several international honorary degrees and awards.



Vartan Gregorian
Islamic Republic of Iran/USA
Member as of 2006

Vartan Gregorian is President of the Carnegie Corporation of New York, since 1997. He is on the advisory board of USC Center on Public Diplomacy and the Brookings Doha Center, and is a member of the Editorial Board of the *Encyclopedia Britannica*, in addition to numerous other international foundations.

He was founding Dean of the Faculty of Arts and Sciences, University of Pennsylvania, in 1974; and the provost in 1978. From 1981 to 1989, Gregorian was President of the New York Public Library. In 1989, he was selected to become President of Brown University, where he served until 1997.

He is a recipient of numerous fellowships, and many civic and academic honors including over sixty honorary degrees.

He has authored, among other works, *The Emergence of Modern Afghanistan*, *The Road to Home: My Life and Times*, and *Islam: A Mosaic, Not a Monolith*.

Vartan Gregorian received his PhD in History and Humanities from Stanford University in 1964.

Mohamed Hag Ali Hassan is President of the AAS. He is the Executive Director of TWAS, and Co-Chair of the IAP.

He was Professor of Mathematics and Dean of the School of Mathematical Sciences, University of Khartoum, until 1986.

He is Founding Member of the Academy of Sciences of Lebanon (2006); Honorary Member of the Palestine Academy of Science and Technology (2005); and Corresponding Member of the *Académie Royale des Sciences d'Outre-Mer*, Belgium (2001).

Mohamed H.A. Hassan received numerous international awards. He has published a large number of articles in internationally peer-reviewed scientific journals. He has also published several papers related to science and technology in the developing world, especially in Africa.

Mohamed H.A. Hassan holds a PhD in Plasma Physics from the University of Oxford, UK, 1974.



Mohamed H.A. Hassan
Sudan
Member as of 2009

Abd-El-Aziz Hegazy, former Egyptian Prime Minister, is a certified public accountant, auditor and management consultant in Egypt and the Arab World.

He is currently a Visiting Professor at Ain Shams University, and Member of the Advisory Council of a number of private universities. He is Member of the Governing Board of the Center for Global Energy Studies in London, and Chairman of a number of cultural forums in Egypt and Jordan. He serves as Chairman of the NGOs Union in Egypt.

He was Deputy Prime Minister and Minister of Finance, Economy and Foreign Trade, 1974; Minister of Treasury, Finance and Management Development, 1968–1973; and Dean of the Faculty of Commerce, Ein Shams University, 1966–1968.

He has received a number of national and international awards. He is author and co-author of a number of publications in the fields of economics and finance.

Abd-El-Aziz Hegazy received his PhD in Commerce from the University of Birmingham, UK, in 1951.



Abd-El-Aziz Hegazy
Egypt
Member as of 2007

Michael Keller is the Ida M. Green University Librarian. In 1994, he became University Librarian and Director of Academic Information Resources. In 1995, he established and became publisher of HighWire Press; and in April 2000, he was assigned similar strategic duty for the Stanford University Press.

He is a Guest Professor at the Chinese Academy of Sciences, and Senior Presidential Fellow of the Council on Library and Information Resources. He is Member of the Board on Research Data Integrity, National Research Council, National Academy of Sciences; and Co-Chair of the Preservation and Archiving Special Interest Group co-sponsored and operated by Sun Microsystems and Stanford University. He is also Consultant to the Advisory Board of the Research Library, Los Alamos National Laboratory since 2005; and Chair of the Executive Committee of the National Digital Library Federation since 2002.

Michael Keller obtained his BA from Hamilton College in 1967; his MA and MLS from the State University of New York in 1970 and 1972, respectively.



Michael Keller
USA
Member as of 2007



Mounir Neamatalla
Egypt
Member as of 2006

Mounir Neamatalla is an Egyptian environmentalist. He is Founder and President of EQI, a private consulting firm established in 1981 providing services in three core areas: Policy and Governance, Environment and Natural Resources, and Enterprise Development and Finance of SMEs. Five services are provided in support of these three areas, namely: Socioeconomic Research, Management Advisory Services, Environmental Management & Design, Agricultural Resource Management, and Media and Communication.

EQI's mission is to contribute to the growth and development of Africa and the Middle East through sustainable improvements in the living conditions of the peoples of the Region.

Mounir Neamatalla obtained his BSc and MSc in Chemical Engineering from the University of Wisconsin, Madison, 1970 and 1971, respectively. He obtained his PhD in Environmental Health and Quality Management from Columbia University, New York, 1976.



Kazuo Ogoura
Japan
Member as of 2011

Kazuo Ogoura is the President of the Japan Foundation since October 2003. Since 1962, he held several posts in the Ministry of Foreign Affairs of Japan, including Director-General of the Cultural Affairs Department, Director-General of the Economic Affairs Bureau, and Deputy Vice-Minister of Foreign Affairs.

He served as Japanese Ambassador Extraordinary and Plenipotentiary to Vietnam (1994/95), South Korea (1997–99) and France (1999–2002). Following retirement in November 2002, he served as Visiting Researcher at the National Institute for Research Advancement and Invited Professor at Aoyama Gakuin University.

His publications, in Japanese, include *Rebellion against Globalism* (2004); *Shigeru Yoshida Searches His Own Heart* (2003); *Dignity of China, Pride of Japan* (2001); and *Enlai Zhou in Paris* (1992), which received the Shigeru Yoshida Award and was partially translated into Chinese.

He graduated from the Faculty of Law, Tokyo University, in 1962; and from the Faculty of Economics, Cambridge University in 1964.



Bruno Racine
France
Member as of 2009

Bruno Racine is a French senior official and writer. He became President of the French National Library in April 2007, and was reappointed in 2010.

He has held a number of significant posts; such as Director of the Policy Planning Staff at the Ministry of Foreign Affairs and Advisor to Alain Juppé; Minister for Foreign Affairs, 1993–1995; and Prime Minister, 1995–1997. Since 2001, he has been Chairman of the *Fondation pour la recherche stratégique*, France's leading think-tank in strategic research. He was appointed in 2003 President of the High Council for Education.

Bruno Racine has published six novels, some of which have won literary awards, as well as a number of articles relating to foreign affairs and cultural policy. In 2008, he was promoted to Officer of the Legion of Honor.

Bruno Racine attended the *Ecole Normale Supérieure*, the *Institut d'Etudes Politiques de Paris* and the *Ecole Nationale d'Administration*.

Nicéphore Dieudonné Soglo was President of the Republic of Benin, 1991–1996; the first democratically elected civilian leader of a nation in the history of the entire African continent. He played an active role in international affairs as Chairman of ECOWAS.

In 2002, he was elected Mayor of Cotonou, and was re-elected in 2008.

During a 15-year tenure, from 1963, in the Benin Ministry of Finance, he rose to the position of Minister of Economy and Finance. He later became Executive Director of the Central Bank of West African States, then the Executive Director on the Board of the World Bank in 1979, and launched the Bank's efforts to promote economic development in Sub-Saharan Africa. He also played a major role in the creation of African Development Banks.

Nicéphore Soglo was educated in France, and obtained degrees in French literature, as well as in private and public law.



Nicéphore Dieudonné Soglo
Benin
Member as of 2011

Gunnar Stålsett is Bishop Emeritus of Oslo. He is currently Member of the Executive Committee of the World Conference of Religions for Peace, and Co-Moderator of its affiliated European Council of Religious Leaders. Since 2006, he has been Special Envoy of Norway to the peace and reconciliation process in East Timor. He chairs the Ad Hoc High Level Forum on Myanmar.

He was the Bishop of Oslo in the Church of Norway, 1998–2005; and General Secretary of the LWF, 1985–1994. He served as Vice-Chairman/Member on the Norwegian Nobel Committee, 1985–1990 and 1994–2003.

Gunnar Stålsett has authored a number of books and received a number of international honors. He graduated from the MF Norwegian School of Theology in Oslo, and was awarded the qualification *Candidatus theologiae* in 1961. He has studied Theology in Germany and USA. He holds several honorary doctorates in Theology and Law.



Gunnar Stålsett
Norway
Member as of 2007

HRH Prince **El-Hassan bin Talal** is currently working with American NGOs on a program entitled “Partners in Humanity”, ultimately aiming to improve understanding and build positive relationships between the Muslim World and the United States.

In March 2009, HRH chaired the Integrity Council for the Global Commons. In June 2003, HRH was elected as one of the Independent Eminent Experts' Group, appointed by the UN Secretary-General, to implement the Declaration and Program of Action of the World Conference against Racism, Racial Discrimination, Xenophobia and Related Intolerance that took place in Durban, South Africa.

HRH Prince El-Hassan chairs, and is a member of, a number of international committees and organizations. HRH served as Chairman of the Policy Advisory Commission for WIPO, 1999–2002; and was a Member of the South Centre Board, 2001–2006.

HRH has received numerous national and international medals, awards and honorary degrees. HRH is also the author of seven books.

HRH Prince El-Hassan bin Talal graduated from Oxford with a BA in Oriental Studies, followed by an MA.



Prince El-Hassan bin Talal
Jordan
Member as of 2008



Vaira Vīķe-Freiberga
Latvia
Member as of 2011

Vaira Vīķe-Freiberga was the sixth President of Latvia, the first female President of Latvia, and the first female leader in Eastern Europe. She is a professor and interdisciplinary scholar, actively engaged in community service.

As President of the Republic of Latvia, 1999–2007, she was instrumental in achieving membership in the European Union and NATO for her country. In December 2007, she was named Vice-Chair of the Reflection Group on the long-term future of the European Union, and special envoy on the reform of the United Nations in 2005.

She has held prominent positions in national and international organizations; as well as in a number of Canadian governmental, institutional, academic and interdisciplinary committees.

Vaira Vīķe-Freiberga published eleven books and numerous articles and essays, in addition to her extensive speaking engagements. She holds a BA and an MA in Psychology from the University of Toronto, and a PhD in Experimental Psychology from McGill University in Montreal.



Federico Mayor Zaragoza
Spain
Member as of 2010

Federico Mayor Zaragoza, Spanish scholar and politician, is currently President of the *Fundación Cultura de Paz*, which he created in 1999.

He is Member of the Honorary Board of the International Coalition for the Decade for the Culture of Peace and Nonviolence, and the Honorary Chairman of the *Académie de la Paix*.

In 2005, the UN Secretary-General named him Co-Chair of the High Level Group for the Alliance of Civilizations; a post he held until November 2006 when the Group presented its final report in Istanbul.

He has held several notable positions, including Director-General of UNESCO, 1987–1999; Member of the European Parliament, 1987; Minister of Education and Science, 1981/1982; and Deputy Director-General of UNESCO, 1978.

In addition to numerous scientific publications, he has published several collections of poems and books of essays.

Federico Mayor Zaragoza obtained a Doctorate in Pharmacy from the Complutense University of Madrid, in 1958.

Advisory Board

Ahmed Kamal Aboulmagd is an Egyptian constitutional lawyer, politician and Islamic scholar. He is considered to have made significant contributions to modern Islamic philosophy.

He is a Professor of Law at Cairo University, Egypt; a practicing lawyer in the fields of constitutional and administrative law; Member of the Royal Moroccan Academy; Member of the Institute of Islamic Research at Al-Azhar, and Member of the National Council for Women.

He is former Vice-President of the National Council for Human Rights in Egypt, and former Minister of Information.

In 2001, he co-authored a document, endorsed by the UN General Assembly, entitled *Crossing the Divide: Dialogue among Civilizations*. He is author of several books and articles on legal philosophy, constitutional law, and Islamic reforms, including: *Dialogue Not Confrontation* and *A Contemporary Islamic Viewpoint*.

Ahmed Kamal Aboulmagd was a Founding Member of the BA Board of Trustees until 2007.



Ahmed Kamal Aboulmagd
Egypt

Martti Oiva Kalevi Ahtisaari is former President of Finland (1994–2000), Nobel Peace Prize Laureate and United Nations diplomat and mediator.

Upon leaving office, he founded and currently chairs an organization known as Crisis Management Initiative. Over the past 30 years, he worked with the UN on a variety of issues including Horn of Africa, Iraq, Kosovo and Namibia. He serves on the boards of many international councils and foundations.

In October 2008, Martti Ahtisaari was awarded the Nobel Peace Prize. He was also awarded an honorary degree by University College, London; the 2007 UNESCO Félix Houphouët-Boigny Peace Prize; and the J. William Fulbright Prize for International Understanding in recognition of his work as peacemaker in 2000.

Martti Ahtisaari was a Member of the BA Board of Trustees, 2004–2008.

He graduated from the University of Oulu, Finland, in 1959.



Martti Ahtisaari
Finland

Assia BenSalah Alaoui is Ambassador at Large of HM the King of Morocco. She is a world renowned specialist in international economic law, and an expert on food security, strategic studies and the Mediterranean area. Assia BenSalah Alaoui serves on a variety of committees for Near-Eastern peace; and on a number of boards of trustees of international organizations and think tanks.

Assia BenSalah Alaoui was a Professor of International Law and Director of Studies at the Centre for Strategic Studies at University Mohammed V in Rabat.

She has written extensively on diverse topics. She is the author of, but not limited to, *Climate Change and Arab Food Security*, 2010; and *Global Security, the Financial Crises and Food Security*, 2009.

Assia BenSalah Alaoui was a Member of the BA Board of Trustees, 2004–2009.



Assia BenSalah Alaoui
Morocco



Abdel-Latif Al-Hamad
Kuwait

Abdel-Latif Al-Hamad is the Founding Director-General of the Kuwait Development Fund, and the Dean of Arab Development Efforts. He currently serves as Chairman and CEO of the AFESD since 1985. He is a member of the board of several higher education and research institutions, and international development organizations, and has published numerous papers on financial, economic and development problems.

He was Chairman of a Task Force on Multilateral Development Banks; and former Minister of Finance in the Government of the State of Kuwait, 1981–1983. During this period, he chaired the World Bank/IMF annual meetings. From 1961 to 1981, he was the Director-General of the Kuwait Fund for Arab Economic Development.

Abdel-Latif Al-Hamad graduated from Claremont McKenna College, California; and conducted graduate work in International Affairs at Harvard University.

He was a Founding Member of the BA Board of Trustees, 2001–2007.



Lourdes Arizpe
Mexico

Lourdes Arizpe is a social anthropologist. She is currently Professor-Researcher at the Regional Center for Multidisciplinary Research, National University of Mexico.

She is a Member of the Committee for the Development Policy of the Economic and Social Council at the UN, Coordinator of the Research Planning Committee, and President of the Board of the United Nations Research Institute for Social Development since 2006.

Lourdes Arizpe has held several notable international positions, and received numerous international awards. She has a biennial award in her name in the American Anthropological Association.

She is the author of eight research books and member of editorial boards of seven professional journals in Colombia, Mexico, UK and USA.

Lourdes Arizpe acquired an MA in Anthropology from the *Escuela Nacional de Antropología e Historia* in 1970, followed by a PhD in Social Anthropology from the London School of Economics and Political Science in 1975.

She was a Member of the BA Board of Trustees, 2005–2010.



Hanan Ashrawi
Palestine

Hanan Ashrawi is a Palestinian legislator, activist, and scholar. She is Founder and Chairperson of MIFTAH. She is a Member of the Board of Trustees of the Institute for Palestine Studies.

She was a Member of Palestinian Prime Minister Salam Fayyad's Third Way Party. She was the Palestinian Authority Minister of Higher Education and Research, 1996–1998. She headed the Preparatory Committee of the Palestinian Independent Commission for Citizens' Rights in Jerusalem, 1993–1995. She served as Official Spokesperson and Member of the Leadership/Guidance Committee and Executive Committee of the Palestinian Delegation to the Middle East Peace Process, 1991–1993.

She is the recipient of numerous international peace, human rights and democracy awards; and honorary degrees.

Hanan Ashrawi received her BA and MA degrees in Literature from the American University of Beirut. She obtained a PhD in Medieval and Comparative Literature from the University of Virginia.

She was a Founding Member of the BA Board of Trustees until 2003.

Jacques Attali is a French professor and writer. He is Honorary Member of the Council of State in France. He is currently CEO of A&A, an international consulting firm based in Paris specializing in new technologies; and President of PlaNet Finance. He is a Columnist for the Magazine *L'Express*.

During 1991–1993, he founded and became first President of the European Bank for Reconstruction and Development in London. He was Special Advisor to the President of the Republic, 1981–1991. He founded *Action Contre la Faim* in 1980, and the European program Eurêka.

He has received honorary doctorates from several foreign universities. He has written forty books, translated into more than twenty languages.

Jacques Attali has a Doctorate in Economics and is a graduate of *Ecole Polytechnique*, *Ecoles des Mines*, *Institut d'Etudes Politiques* and *Ecole Nationale d'Administration*.

He was a Founding Member of the BA Board of Trustees, 2001/2002, and a Member of the Universal Academy of Cultures.



Jacques Attali
France

Margaret Catley-Carlson, a Canadian civil servant, is Chair of World Economic Forum Global Agenda Council on Water Security, the Foresight Advisory Committee for Group Suez Environment, the Canadian Water Network, the UN Secretary General's Advisory Board, the Rosenberg Forum and Patron of the Global Water Partnership. She is also Board Chair of the Global Crop Diversity Trust, Board Member of the International Fertilizer Development Council, Member of the Advisory Council of the World Food Prize and the Syngenta Foundation.

Margaret Catley-Carlson has chaired CABI and the Board of the ICARDA. In 1984, she was appointed to the Board of Governors of the IDRC.

Margaret Catley-Carlson received a Bachelor of Arts degree from the University of British Columbia in 1966.

She was a Founding Member of the BA Board of Trustees, 2001–2007.



Margaret Catley-Carlson
Canada

Michael M. Cernea is an academic researcher and an applied anthropologist. He is Research Professor of Anthropology and International Affairs at George Washington University; Senior Social Advisor with the Global Environment Facility; and Honorary Professor for Resettlement and Social Studies at Hohai University in Nanjing, China. He is a member of the Board of Directors of PACT, USA.

Michael Cernea served on the CGIAR Science Council and Technical Advisory Committee, 1998–2003. In 1991, he was elected to the Academy of Sciences, Romania. He has also advised international organizations such as OECD, UNDP, ADB, CGIAR, FAO, BP, and others on social policy, cultural, poverty, and population resettlement issues. He served as elected officer of several international and national social science organizations, and also as advisor to IUCN, and other non-profit organizations and NGOs.

He is the recipient of the Solon T. Kimball Award for Public Policy and Applied Anthropology, and of the Bronislaw Malinowski Prize.

He has a PhD in Sociology and Social Philosophy.

Michael M. Cernea was a Member of the BA Board of Trustees, 2003–2008.



Michael M. Cernea
Romania/USA



Umberto Eco
Italy

Umberto Eco is an Italian medievalist, semiotician, philosopher, literary critic and novelist. He is President of the *Scuola Superiore di Studi Umanistici*, University of Bologna; and an Honorary Fellow of Kellogg College, University of Oxford. He was voted second in *Prospect Magazine's* 2005 global poll of the world's top 100 intellectuals.

He is author of over 25 novels, including *The Name of the Rose* (1980) and *Foucault's Pendulum* (1988). He has also written academic texts, children's books and many essays. He co-founded *Versus: Quaderni di studi semiotici* (VS), an influential semiotic journal.

He has a number of honorary doctorates from Universities around the world, and 16 literary awards and decorations.

Umberto Eco was a Founding Member of the BA Board of Trustees, until 2002.



Farouk El-Baz
Egypt

Farouk El-Baz is Director of the Center for Remote Sensing; and Research Professor in the Departments of Archaeology, and Electrical and Computer Engineering, Boston University.

Farouk El-Baz is a Member of the Lunar Nomenclature Task Group of the International Astronomical Union. He is President of the Arab Society for Desert Research; and Fellow of the American Association for the Advancement of Science, Royal Astronomical Society (London), Explorers Club, and GSA.

Farouk El-Baz chaired and served on the boards of numerous national and international foundations and committees. He received many honorary degrees, and national and international honors and awards, including NASA's Apollo Achievement Award.

Farouk El-Baz pursued his undergraduate studies in Geology and Chemistry at Ain Shams University in 1958; received his Master's degree from the University of Missouri in 1961; and completed a Doctorate in Geology in 1964.

He was a Founding Member of the BA Board of Trustees, until 2005.



Vigdís Finnbogadóttir
Iceland

Vigdís Finnbogadóttir, the fourth President of the Republic of Iceland, 1980–1996, was the first female in the world to be elected as constitutional Head of State.

Currently, she is a UNESCO Goodwill Ambassador and an Honorary Member of the Women's Rights Association in Iceland.

She was one of the founders of Save the Children Association in Iceland; the first Chair of the COMEST at UNESCO, 1997–2001; and the Founding Chair of the Council of Women World Leaders in 1996.

She has received many awards and honorary doctorates from various international universities.

Vigdís Finnbogadóttir studied Literature and Theater Studies at the University of Grenoble, and at the Sorbonne in Paris, as well as Theater History at Copenhagen University. She also holds a degree in Pedagogical Studies.

She was a Founding Member of the BA Board of Trustees, 2001/2002.

Brian Keith Follett is currently a non-stipendiary Professor in the Department of Zoology at the University of Oxford, and Chairman of the UK Government's "STEM Advisory Forum". He was knighted in 1992 for his services to science.

He was Head of the Department of Zoology, University of Bristol, 1978–1993; Biological Secretary of the Royal Society (UK's Academy of Sciences), 1987–1993; and Vice-Chancellor of Warwick University, 1993–2001.

He chaired the UK Government's TDA, responsible for teacher training in the UK, 2003–2009. He was Chair of the UK's AHRC, 2001–2007.

He has published over 300 scientific papers on biological clocks and seasonal reproduction.

Brian Keith Follett obtained a BSc in Biochemistry in 1960; and a PhD in Pharmacology in 1964, both from the University of Bristol.

He was a Founding Member of the BA Board of Trustees until 2004.



Brian Keith Follett
United Kingdom

Hans-Peter Geh is President of the European Foundation for Library Cooperation, and Emeritus Director of the Württembergische State and University Library in Stuttgart. He is also a Member of the International Commission for the Revival of the Ancient Library of Alexandria.

Hans-Peter Geh held numerous positions in German libraries, and literary associations and institutions, as well as international organizations. He served as President of IFLA, 1985–1991. He also served as co-editor of national and international journals.

Hans-Peter Geh studied history, political science, and English literature at the Universities of Frankfurt-am-Main and Bristol. He received his library education and training at the City and University Library of Frankfurt-am-Main, and at the College of Librarianship in Cologne.

He was a Founding Member of the BA Board of Trustees, until 2006.



Hans-Peter Geh
Germany

Tahar Ben Jelloun is a Moroccan poet and writer. Although his native language is Arabic, he is one of the greatest contemporary writers in the French language.

He received numerous awards for his works, including the Prix Goncourt for his novel *La Nuit Sacrée* in 1987; the IMPAC Dublin Literary Award for his novel *The Blinding Absence of Light* in July 2004; the *Prix Ulysse* for the entirety of his work in 2005; and a special prize for "Peace and Friendship between People" in 2006. In February 2008, Nicolas Sarkozy awarded him the Cross of Grand Officer of the *Légion d'honneur*.

His novels *L'Enfant de Sable* and *La Nuit Sacrée* were translated into 43 languages. *Le racisme expliqué à ma fille* has been translated into 33 languages.

Tahar Ben Jelloun received his Doctorate in Social Psychiatry in 1975. He was a Founding Member of the BA Board of Trustees, until 2004.



Tahar Ben Jelloun
Morocco/France



Jean-Noël Jeanneney
France

Jean-Noël Jeanneney, former member of the French Government, 1991–1993, is a History Professor, currently teaching contemporary history at the Institute of Political Studies, Paris. He has been Co-President of the think tank *Europartenaïres* since 1998. He has been President of the Scientific Council of *Rendez-vous de l'Histoire de Blois* since 2003, and Honorary President of *Festival International du Film Historique de Pessac* since 1990. He presides the jury of *Prix du livre d'Histoire du Sénat* since 2007. He has been producing the weekly emission *Concordance des Temps* on the *France Culture* channel since 1999.

He held many other posts, including Chairman of the *Bibliothèque nationale de France*, 2002–2007; Columnist at the *Journal du Dimanche*, 1999–2001; President of the Scientific Council of the History Institute, 1991–2000; Junior Minister of Communication, 1992/1993; Junior Minister of Exterior Commerce, 1991/1992; and President of *Radio France and Radio France Internationale*, 1982–1986. He served on the boards, councils and committees of numerous institutions, and has many published works.

He was a Founding Member of the BA Board of Trustees, 2003–2008.



Yolanda Kakabadse
Ecuador

Yolanda Kakabadse is Chair of the Advisory Board of *Fundación Futuro Latinoamericano*, a regional NGO dedicated to conflict management in Latin America. She is President of the WWF, one of the world's largest environmental organizations. She is also member of the board of directors and advisory boards of numerous international foundations.

Previously, she was President of IUCN. Her nexus with the environmental conservation movement officially began in 1979, when she was appointed Executive Director of *Fundación Natura* in Quito, where she worked until 1990. She was Minister of Environment for the Republic of Ecuador, 1998–2000. In 1993, she founded *Fundación Futuro Latinoamericano*. From 1990 to 1992, Kakabadse coordinated the participation of civil society organizations in the United Nations Conference for Environment and Development (Earth Summit). She was Chair of the STAP/GEF, 2005–2008. She studied Educational Psychology at the Catholic University of Quito, Ecuador.

Yolanda Kakabadse was a Founding Member of the BA Board of Trustees, 2001–2004.



Kiyoshi Kurokawa
Japan

Kiyoshi Kurokawa is a Japanese Professor of Medicine. He is currently Academic Fellow at the National Graduate Institute for Policy Studies; Chairman of the Health Policy Institute, Japan; Governor, Japan Chapter, American College of Physicians; and Professor Emeritus at the University of Tokyo. He is a Senior Scientist of the Earth Institute, Columbia University. He is Member of the Honorary Advisory Committee of the United Nations University in Japan.

He served as Special Advisor to the Cabinet, 2006–2008; and a Commissioner on the WHO Commission for Social Determinants of Health, 2005–2008. He is a member and has been an executive officer of many prestigious national and international professional societies. He is a recipient of Order of Purple from the Government of Japan for Excellence in Academic Achievements, in 1999. He received his MD degree from the School of Medicine, University of Tokyo, in 1962.

He was a Member of the BA Board of Trustees, 2004–2009.

Anne-Marie Lizin is a Belgian politician. She was the first female President of the Belgian Senate.

Throughout her career, she assumed many posts in the Belgian Senate, including Quaestor, 2007–2009; President, 2004–2007; Directly Elected Member, 1999 and 2003; and Appointed Senator, 1995–1999. She was also Member of the Chamber of Representatives, 1991–1995; State Secretary for European Affairs, 1988–1992; and Mayor of Huy, 1983–2009. She also served on the assemblies, boards and committees of several international institutions.

She has received numerous awards, including the *Grand-Croix de l'ordre de Léopold II*, 2007; *Héros de la Liberté*, Hungary, 2006; *Chevalier de l'ordre de la Légion d'honneur*, France, 2005; and *Commandeur de l'ordre de Léopold*, 2003. She graduated in Economics from the *Université de Liège* in 1971.

Anne-Marie Lizin was a Member of the BA Board of Trustees, 2004–2009.



Anne-Marie Lizin
Belgium

Julia Marton-Lefèvre is Director-General of IUCN. She is a member of a number of boards, councils and committees for organizations, such as CCICED; UPEACE; LEAD International; the Geneva-based Graduate Institute of International and Development Studies; and Oxford University's James Martin 21st Century School. She is also a Fellow of the Royal Geographical Society of the United Kingdom and a Fellow of the World Academy of Art and Science.

She was also former Rector of UPEACE; Executive Director of LEAD International; and Executive Director of ICSU.

In 2008, she was awarded the *Chevalier de l'ordre national de la Légion d'honneur* by the French Government, and was named Global Ambassador for Hungarian Culture. In 1999, she received the AAAS Award for International Cooperation in Science.

Julia Marton-Lefèvre was a Member of the BA Board of Trustees, 2005–2010.



Julia Marton-Lefèvre
France/Hungary/USA

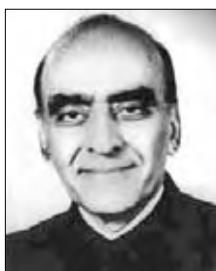
Luis Monreal is a historian and archaeologist. He was appointed General Manager of the Aga Khan Trust for Culture in 2002. Prior to that, he served as a member of the Master Jury of the 1995 Aga Khan Award for Architecture, and a member of the 1998 and 2001 Award Steering Committee. He also served as advisor and member of the jury for the competition sponsored by the Trust during 1990 and 1991 for a New Museum for Islamic Arts in Doha, Qatar.

Luis Monreal assumed other posts throughout his career, including Director-General of the “La Caixa” Foundation in Barcelona, and directed the Caixa Cultural Centers in Madrid and in Palma de Mallorca, 2001; Director of GCI, 1985–1990; and Secretary-General of ICOM, 1974–1985.

He was a Founding Member of the BA Board of Trustees, 2001–2005.



Luis Monreal
Spain



Moeen Qureshi
Pakistan

Moeen Qureshi, Pakistani economist and political figure, is Chairman and Managing Partner of EMP Global LLC. He serves on several corporate and public service boards.

He was Prime Minister of Pakistan for an interim period in 1993. He also assumed several positions at the World Bank, first as Senior Vice-President for Finance and Chief Financial Officer of the Bank, 1980–1987; then Senior Vice-President for Operations, 1987–1991. He was Vice-President of the International Finance Corporation, 1974–1977; and its Executive Vice-President and Chief Operating Officer, 1977–1981. He also worked with the International Monetary Fund, 1958–1970.

He chaired and was advisor to several international institutions, commissions and committees dealing with international and public affairs.

Moeen Qureshi holds a BA and an MA in Economics, University of Punjab; and a PhD in Economics, Indiana University.

He was a Member of the BA Board of Trustees, 2004–2009.



Roelof Rabbinge
The Netherlands

Roelof Rabbinge is a former Member of the Senate of the Netherlands Parliament. He is currently Deputy Chairman of NCEA (MER, Utrecht, Netherlands), 2009–present; Chairman of the Science Council of CGIAR, Italy/USA, 2007–present; Chairman of the Board of Earth and Life Sciences (RA) of KNAW, 2002–present; Professor in Sustainable Development and Food Security at Wageningen University, and Advisor for the Board of Directors, Wageningen, Netherlands, 2001–present. He also serves on the boards of numerous national and international institutions.

He led various missions and agricultural programs in developing countries and served as editor of several journals. He served on the Board of Trustees of four centers of CGIAR and was Chairman of the International Rice Research Institute Board of Trustees, 1995–2000.

Roelof Rabbinge obtained his MSc and PhD in 1971 and 1976 respectively from the Agricultural University, Wageningen.

He was a Founding Member of the BA Board of Trustees, 2003–2008.



Mamphela Ramphele
South Africa

Mamphela Ramphele is a South African academic, businesswoman and medical doctor, and was an anti-apartheid activist. She is the Executive Chair of Letsema Circle, and Chair of Convenors of the Dinokeng Scenarios. She was recently appointed Chair of the Technology and Innovation Agency.

She was former Managing Director of the World Bank, 2000–2004, and Co-Chair on GCIM, 2004/2005. In 1996, she became Vice-Chancellor of the University of Cape Town, becoming the first African female to hold this position at a South African university.

She is author of many important titles about critical socio-economic issues in South Africa. She has received numerous prestigious national and international awards, including numerous honorary doctorates.

Mamphela Ramphele holds a PhD in Social Anthropology, University of Cape Town; a BCom degree in Administration, University of South Africa; and diplomas in Tropical Health and Hygiene, and Public Health, University of Witwatersrand.

She was a Member of the BA Board of Trustees, 2004–2009.

Ghassan Salamé is a Lebanese consultant, lecturer and political figure. He is Dean of PSIA and Professor of International Relations.

He is a member of the boards of numerous international institutes and non-profit organizations. He is the Chairman of the Arab Fund for Arts and Culture.

He also held numerous posts, including Senior Advisor to the United Nations Secretary-General, 2003–2006; Political Advisor to the UN Mission in Iraq, 2003; Lebanon's Minister of Culture, 2000–2003; Chairman and Spokesman of the Organization Committee for the Arab Summit, and the Francophone Summit, 2002.

He is author of (*inter alia*) *Quand l'Amérique refait le monde; Appels d'empire: ingérences et résistances à l'âge de la mondialisation;* and *State and Society in the Arab Levan.*

Ghassan Salamé studied Law at Saint Joseph's University and Paris University. He obtained PhDs in Literature and in Political Sciences from Paris University.

He was a Member of the BA Board of Trustees, 2005–2010.



Ghassan Salamé
Lebanon

Rhonda Roland Shearer is an American sculptor, scholar and journalist. Currently, she is Adjunct Lecturer at the School of Journalism and Mass Communication at the University of Iowa; Developer at NASA's Astrobiology Magazine since 2005 (AstroBio.net); Director of the Art Science Research Laboratory, New York City since 1996; and Publisher of media ethics online journal, StinkyJournalism.org.

As an Associate of the Harvard University Department of Psychology, 1998–2000, she published over 50 articles and lectured at leading universities on the historical importance of new geometries in the history of art and science.

Rhonda Roland Shearer has been represented by the Wildenstien Gallery since 1996, and has held numerous solo museum exhibitions.

Rhonda Roland Shearer was a Member of the BA Board of Trustees, 2002/2003.



Rhonda Roland Shearer
USA

Adele Simmons is Vice-Chair of Chicago Metropolis 2020 and the Burnham Centennial Committee. She is Co-Chair of the Chicago Climate Action Plan Task.

She is President of the Global Philanthropy Partnership, Senior Advisor to the World Economic Forum, and is currently on the boards of Marsh and McLennan Companies, ShoreBank Corporation, ShoreBank International Ltd, and a number of non-profit organizations.

She served as Co-Chair of the Council on Global Affairs study group on Chicago's global future.

She served on presidential commissions on world hunger and the environment, and was a Member of the Commission on Global Governance and the UN High Level Advisory Board on Sustainable Development.

Adele Simmons obtained her BA from Radcliffe College in 1963, and her PhD from Oxford University in 1969.

She was a Founding Member of the BA Board of Trustees, 2001–2003.



Adele Simmons
USA



Wole Soyinka
Nigeria

Akinwande Oluwole “Wole” Soyinka is a Nigerian writer, poet and playwright. In 1986, he became the first African writer ever to be awarded the Nobel Prize for Literature. He is currently the Elias Ghanem Professor of Creative Writing in the English Department at the University of Nevada, Las Vegas; and the President’s Marymount Institute Professor in Residence at Loyola Marymount University in Los Angeles, California, USA. Soyinka has published about 20 drama, novel and poetry works.

In 1994, he was designated UNESCO Goodwill Ambassador for the promotion of African culture, human rights, freedom of expression, media and communication. In 2005, he became one of the spearheads of PRONACO.

In 2005, Wole Soyinka received an honorary doctorate degree from Princeton University. In 2008, he became a Distinguished Scholar in Residence at the Franklin Humanities Institute.

He was a Founding Member of the BA Board of Trustees, 2001–2004.



Monkombu Swaminathan
India

Monkombu Sambasivan Swaminathan, an agriculture scientist, is known as the “Father of the Green Revolution in India”. He has been described by the UN Environment Programme as the Father of Economic Ecology. He was listed in *TIME* Magazine’s 1999 list of the 20 most influential Asian people of the 20th century.

He currently holds the UNESCO-Cousteau Chair in Ecotechnology at the M.S. Swaminathan Research Foundation in Chennai, India; and is Chairman of the National Commission on Agriculture, Food and Nutrition Security of India.

He is a Fellow of the Royal Society of London, the US National Academy of Sciences, the Russian Academy of Sciences, the Chinese Academy of Sciences, and the Italian Academy of Sciences.

Monkombu Swaminathan obtained BScs in Zoology from Maharajas College, and Agricultural Science from Coimbatore Agricultural College. He obtained his post-graduate degree in Cytogenetics in 1949 from the IARI, New Delhi.

He was a Founding Member of the BA Board of Trustees, 2001–2005.



Kazuo Takahashi
Japan

Kazuo Takahashi is President of the Society of Researchers of International Development, Japan; and teaches at the Graduate Research Institute of Policy Studies in Tokyo.

Kazuo Takahashi was a Professor at the International Christian University; Director of the International Development Research Institute, FASID; and Program Director of the Sasakawa Peace Foundation. He also served at the OECD and was Chair a number of international and national councils and committees.

He has major publications in English and Japanese (some having been translated into Chinese, Korean, Portuguese and Spanish), covering subjects such as development studies, water management, peace-building, regional integration, and global public goods.

Kazuo Takahashi was a Founding Member of the BA Board of Trustees until 2003.

Leila Takla, Professor of Law and Management and Legal Consultant, is the first female to be elected President of the Foreign Relations Committee in the Egyptian Parliament.

She was Member of the UNESCO World Heritage Committee, and was President of the Board of Trustees of UN Technical Cooperation Programmes (elected for three terms).

She is Founding President of the Egyptian Federation of Women Lawyers, and the National Association of the Preservation of the Environment; Vice-Chairman of the Egyptian Committee to Preserve National Heritage; in addition to being a member of numerous national and international boards and committees.

She is author of a number of books, and writer and political analyst for the Al Ahram daily newspaper.

Leila Takla received an LL.B from the Faculty of Law, Cairo University; a Master's degree from the University of Southern California, Los Angeles; and a PhD from New York University.

She was a Founding Member of the BA Board of Trustees until 2006.

Carl Tham, social commentator and politician, was Ambassador to Germany, 2002–2006; Secretary-General of Olof Palmes International Center, 1999–2002; Minister of Education in the Social Democratic Government, 1994–1998; Director-General of SIDA, 1985–1994; Director-General of the National Energy Board, 1983–1985; Minister of Energy, 1978/1979; Member of the Parliament, 1976–1982; and Secretary of the Liberal Party, 1969–1978.

He served on many public commissions and committees. From 1999 to 2006, he was Chairman of the Board of the Swedish Institute of Future Studies, Stockholm. He was a member of the task force on higher education convened by UNESCO and the World Bank; Co-Chairman of the Independent International Commission of Kosovo, and Member of the Commission of Human Security. He was awarded the SFS Equal prize in 2008.

Carl Tham was a Founding Member of the BA Board of Trustees until 2003.

Marianna Vardinoyannis is a Greek philanthropist, a UNESCO Goodwill Ambassador and a social activist. She was elected Woman of Europe in recognition of her contribution to constructing a Europe of Citizens.

She is Founder-President of the “Foundation for the Child and the Family” and Founder-President of ELPIDA. She is Founding Member of the Global Humanitarian Forum; and serves as a board member of, and collaborates with, several other international humanitarian and cultural institutions.

She received numerous national and international awards and distinctions.

Marianna Vardinoyannis holds a BA in Economics from Denver University in Colorado, a BA in History of Arts, and is a PhD candidate in Archaeology at the University of Sheffield.

She was a Founding Member of the BA Board of Trustees, 2002–2007.



Leila Takla
Egypt



Carl Tham
Sweden



Marianna V. Vardinoyannis
Greece



William Wulf
USA

William Allan Wulf is a University Professor and AT&T Professor of Engineering and Applied Sciences in the Department of Computer Science at the University of Virginia. He is a reviewing editor of *Science*. He is also member of numerous national and international academies and societies.

He held many posts throughout his career, including President of the National Academy of Engineering, 1997; and Assistant Director of the National Science Foundation, 1988–1990. In 1981, he founded Tartan Laboratories and was Chair and Chief Executive Officer until 1988. In 1968, he became Assistant Professor of Computer Science at Carnegie Mellon University, then Associate Professor in 1973, and Professor in 1975.

William Allan Wulf obtained a BSc in Engineering Physics, and an MSc in Electrical Engineering from the University of Illinois. He obtained a PhD in Computer Science from the University of Virginia, in 1968.

He was a Founding Member of the BA Board of Trustees, 2001–2006.



Ahmed Hassan Zewail
Egypt

Ahmed Hassan Zewail is the Linus Pauling Chair Professor of Chemistry, and Professor of Physics at the California Institute of Technology (Caltech). He is currently the Director of the Moore Foundation's Center for Physical Biology at Caltech.

He serves on President Obama's Council of Advisors on Science and Technology, and also as the President's Science Envoy to the Middle East. He is an elected member of numerous international academies and learned societies.

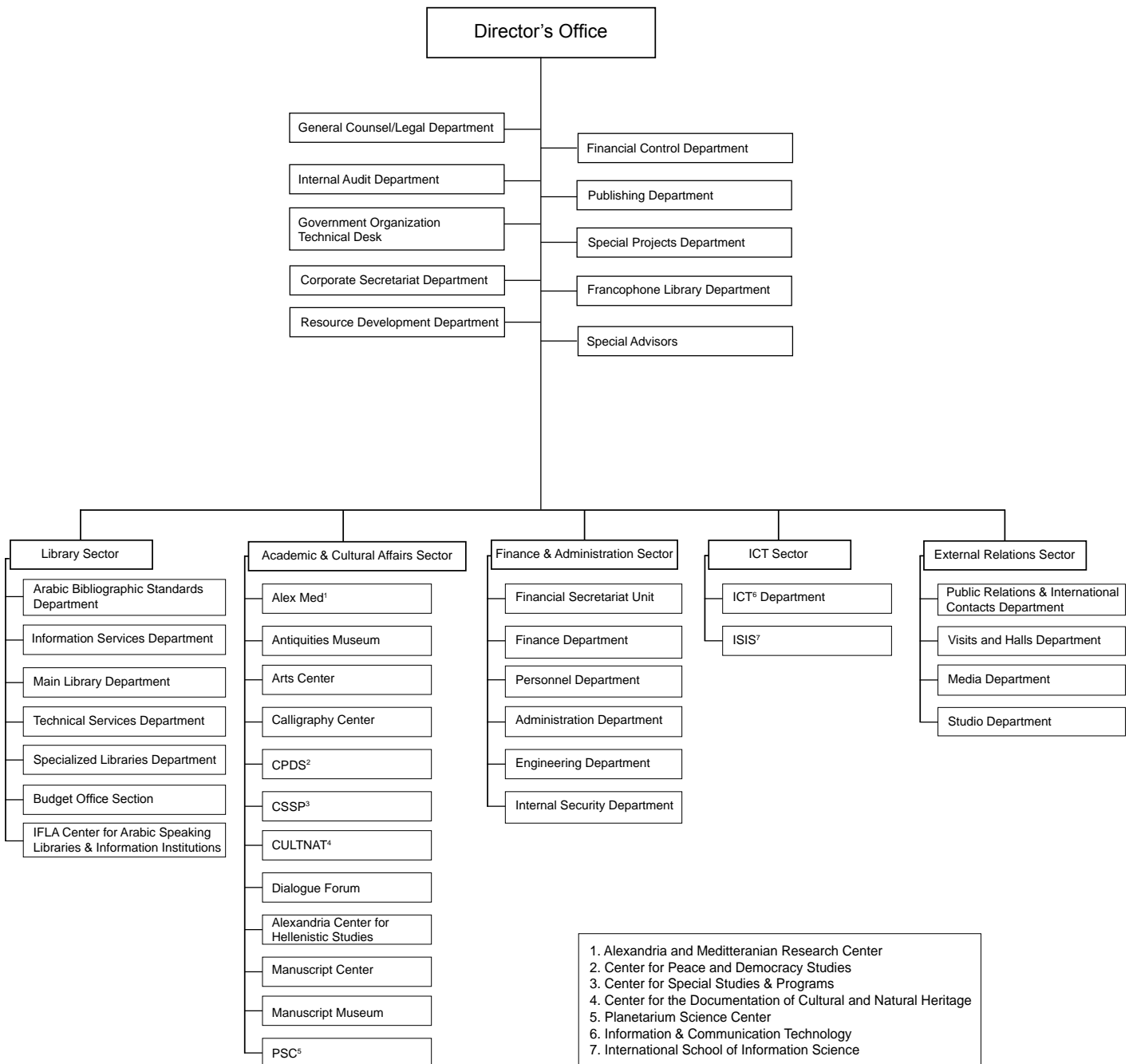
He was the Director of the National Science Foundation's LMS, and was awarded the 1999 Nobel Prize for his pioneering developments in femtosience.

Ahmed Zewail obtained a PhD from the University of Pennsylvania and a postdoctoral (IBM) fellowship at the University of California, Berkeley.

He was a Founding Member of the BA Board of Trustees, 2001–2005.

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Organization Chart As at 30 October 2011



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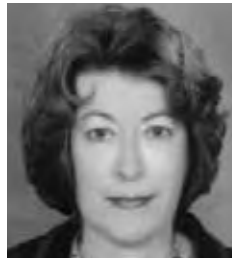


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III

A SPECIAL PORTFOLIO ON REVOLUTION AND TRANSFORMATION

This has been an exalting moment, when our youth showed their appreciation of the BA and its myriad services. This special portfolio, constitutes the third part of this Report and contains four documents that explain how the BA weathered the January Revolution in Egypt and how it is functioning in the global ICT revolution.

A portfolio on the BA and the Revolution

- 18 days that shook the world (originally posted on our website)
- A salute to the wonderful youth of Egypt (originally posted on our website)
- In the Eye of the Storm (an essay published in *Lifelong Learning in Europe* in July 2011)
- A brief description of the BA program to document the 25 January 2011 Revolution

18 DAYS THAT SHOOK THE WORLD

To all our friends around the world

Thank you for your many messages of solidarity and support throughout these past two weeks. A salute to Egypt's wonderful youth, who changed the course of history through peaceful demonstrations. The moral power of non-violence was never more ably deployed for the cause of more freedom, more justice and to lay the foundations of better tomorrows. By the moral force of their solidarity, and the nobility of their cause, they challenged all expectations and triumphed. The Egyptian Revolution of 25 January 2011 now belongs to the history books. It is a brilliant chapter in the unfolding story of the struggle for human dignity and the values of our common humanity.

In these 18 days that shook the world, men and women, young and old, Muslims and Christians, rich and poor, came together as never before. The Army never unleashed a volley against any of the millions of demonstrators. All melded together and showed the true mettle of "the people". They redefined the meaning of Egyptian greatness. During those long days of struggle, days when the police forces were either attacking the demonstrators or totally absent from the scene, there was not one incident of burning of churches, indeed we saw Christians and Muslims praying by the thousands in Tahrir Square, each protecting and respecting the other. Hundreds of thousands of young men and women demonstrated for days on end, and not one case of harassment was noted. Volunteers provided safety and order, and neighbors came together to form neighborhood watches to protect their homes and families against thugs and ruffians who attacked homes and looted public buildings, and to provide public services by sharing as never before. The people got to know each other better than ever before. Neighborhoods became more than physical definitions, they became communities again. The demonstrators protected cultural institutions such as the Egyptian Museum and the Library of Alexandria, which many recognized as their own.

Today, the people are all celebrating the stepping down of former President Mubarak and the start of a new era; but the road ahead is going to be difficult. We must ensure that this moment of euphoria and the solidarity created by this revolutionary movement launched by our youth on 25 January are effectively transformed into the institutions and laws that will be the real guarantors of a true democracy. Following the demonstrations, the battles and the celebrations in the streets, we must now do the equally demanding work of designing new institutions, selecting new leaders and creating new laws—to fashion the wise constraints that make people free.

I have unlimited confidence in Egypt's youth. It is the dawn of a new day.

Ismail Serageldin
Librarian of Alexandria
Director of the Bibliotheca Alexandrina

A SALUTE TO THE GREAT YOUTH OF EGYPT

To the great youth of Egypt, the leaders of the Egyptian Revolution of 25 January 2011, I salute you. For...

in the nobility of your spirit,
in the exuberance of your youth,
in the quality of your contacts,
in the unsullied idealism that you possess,
in the dedication to our common humanity that you bring...

...I find the hope of mastering the challenges of the difficult transition ahead, to complete the Revolution you have initiated and of building the better Egypt that your actions have made possible.

The secret of your success lies in the bedrock of your values, not just in the specific knowledge you have gained. You have learned to learn, but more importantly, you have grown to care.

So, harness your skill, your imagination and your determination to create a better Egypt, a better world for all. As we honor the memory of those who died, salute the sacrifice of the wounded, and celebrate the resolve of those who stayed the course, let us create the new Egypt, guided by a vision of a caring society where, in keeping with the immortal words, there would be:

No politics without principle
No wealth without work
No commerce without morality
No pleasure without conscience
No education without character
No science without humanity.

A vision where a people's greatness is measured by the quality of the lives of their poorest citizens not by the size of their armies, or the scale of their buildings.

Yes! You have changed Egypt forever, and now we will follow your leadership and join with you in the task of creating the new Egypt.

Our Friends,

You have been called the children of the Internet, or the Facebook generation, but you are more. You are the vanguards of the great global revolution of the 21st century. So, go forth into the journey of your lives, and create a better world for yourselves and for others. Lead and all shall follow. Think of the unborn, remember the forgotten, give hope to the forlorn, include the excluded, reach out to the unreached, and by your actions from this day onwards lay the foundation for better tomorrows.

Thank you. Thank you from the bottom of my heart.

Ismail Serageldin
Librarian of Alexandria
Director of the Bibliotheca Alexandrina

IN THE EYE OF THE STORM

The Library of Alexandria and the Egyptian and Global Revolutions

A. THE REBIRTH OF THE BIBLIOTHECA ALEXANDRINA (BA)

The Library of Alexandria, reborn in October 2002, to reclaim the mantle of its ancient namesake, has rapidly become synonymous with the values of pluralism, freedom of expression and the promotion of youthful merit and gender equality. It is not just an extraordinarily beautiful building, it is also a vast complex that comprises 4 museums and 15 permanent exhibitions, 9 research institutes, a planetarium, an Alexploratorium, 4 art galleries, a convention center for thousands of persons, 6 specialized libraries and the main library. It aims to be a center of excellence in the production and dissemination of knowledge, and has adopted four specific goals:

- The world's window on Egypt;
- Egypt's window on the world;
- A leading institution in the digital age; and
- A place for dialogue and understanding between peoples and cultures.

Born Digital

The Bibliotheca Alexandrina, is also one of the only great libraries to have been Born Digital! It is the child of this century, the first of the third millennium, and as such we embraced the new digital technology from the beginning, recognizing that this will give this new version of the great library its edge. So from the start we assured that it would function in "hybrid" mode, and it has both many printed books and many electronic ones, as well as databases and other electronic resources. Over 3300 computers are spread throughout its halls and offices, and in addition, it has the Culturama (a patented multimedia interactive nine-screen system), the VISTA (a virtual reality cave for science and technology applications), a Supercomputer, and the only copy of the Internet Archive outside of California, which has many billions of pages of digital text and thousands of hours of digital film and video.

Within less than two years, the Bibliotheca Alexandrina has succeeded in being recognized as a serious partner for many joint projects with institutions such as the US National Academy of Sciences, the French Academy of Sciences and the many distinguished universities that participate routinely in its hundreds of annual seminars, conferences and lecture series.

The BA is an established institution despite its very short existence. It has a collection of about 1.4 million books and monographs, and thanks to France's gift of about 500,000 French books, it is the fourth largest Francophone library outside of France.

It is difficult to imagine that the BA is barely eight years old! It has become the uncontested beacon of humanist values in Egypt and the region. Since its inauguration, it received both supporters and opponents of the Mubarak regime; and today it is the place for open debate, discussion, dialogue and understanding in the rapidly evolving Egyptian landscape. It is the hub of many activities, and the acknowledged leading convener

for some domains in science, such as BioVisionAlexandria which is in partnership with BioVision (Lyon, France) and held on alternate years. BioVision specifically addresses life sciences and the environment.

Its 2300 staff, average 30 years of age, and the youthful and gender-balanced management hold some 700 cultural events in this vast and impressive complex, and receives some 1,400,000 visitors and 600,000 reader visits annually. Our websites receive some 500 million hits per year and the BA is actively involved with some of the biggest and most important digital projects in the world, including the World Digital Library (WDL),¹ the Encyclopedia of Life (EOL)² and the Universal Networking Language (UNL).³

B. BUILDING THE “DEEP CURRENTS”

The BA and the Drive for Reform

Starting less than 18 months after its inauguration, the Bibliotheca Alexandrina, has been holding Egyptian and pan-Arab events calling for reform of the political, economic, social and cultural systems of Egypt and the Arab World. Most notably with the clarion call of the Alexandria Declaration of March 2004, it has become the beacon for such ideas among many youths. This Declaration calls for political, economic, social and cultural reform and is signed by over 160 eminent Arabs from 18 Arab countries and has become a major landmark in the call for reform in the Arab World.

We specifically eschewed overt political action in favor of nurturing what we call the “deep currents” of social thought that will make ideas take root in a society. We have worked and continue to work tirelessly at fighting bigotry, fanaticism, xenophobia and obscurantism; while promoting the values of human rights, gender equality, pluralism, peace, rationality, dialogue and understanding. These are the “deep currents” that nurture these important values in Arab society generally and Egyptian society specifically, and we work particularly with young people.

As I look at societies, local, national, regional or global, I am struck by the difference between two types of forces that affect events or activities. There are those that grab the headlines, that are the focus of intense debate and make or break careers. They are undoubtedly important, but they lack the staying power, the lasting effect that real societal change is based on. The other kind of force is the deep currents that affect societal values, where attitude shifts may appear to be imperceptible at some point and then one day, things that were deemed unthinkable become commonplace. Sometimes these deep currents interact with burgeoning technologies to initiate profound changes.

I have likened these two types of forces to the winds on the surface of the ocean and the deep currents that move enormous amounts of water such as the gulf stream in the Atlantic or the el-Niño effects in the Pacific. These deep currents are not easily seen or felt, but they have a profound impact on our lives, they even affect the weather. In the meantime, the surface storms are very important, they can reach hurricane force, they can

¹ An international undertaking launched by the US Library of Congress and supported by UNESCO, it regroups some of the best exemplars of world culture and involves many libraries around the world.

² A vast enterprise coordinated by some of the world’s greatest natural history museums which is trying to provide a single homepage for each of the world’s 1.9 million species and backing it up with links to the Biodiversity Heritage Library (BHL) which is to include some 300 million – 600 million pages of scientific literature on biodiversity from 18 international libraries. See www.EOL.org. The BA is a member of the executive council of that vast inter-agency undertaking.

³ The Universal Networking Language (UNL) system is a vast program launched by the UN University and coordinated by a team based in Geneva, which involves relying on a rules-based approach to machine translation, using a hub and spoke design to translate all languages through the hub: a Universal Digital Networking Language, thereby allowing small languages to participate. The BA is handling the Arabic language part of that enterprise.

sink ships, drown people and destroy property in the billions. However, all scientists would agree that shifts in the deep currents are far more significant even if they take years to become measurable.

The parallels with the discussion of political revolution are clear. It is the deep currents that have the lasting effects. It is at the level of the deep currents that the Bibliotheca Alexandrina, worthy heir to the Ancient Library of Alexandria wants to act on Egypt and the Arab World and through them on the Muslim World. Organizing a debate between the political candidates would make good television, but would not have a lasting effect as thoughtful discussions of constitutional reform or even arranging for committees of experts to review and revise the math and science curricula of the schools, suggesting educational system reforms and changing the priority structure of the national scientific research program, to name but a few topics we regularly tackle. Ultimately, we fight for nurturing the humane values that any truly modern democratic society must possess. These are but a few of the components that go into the “deep currents”, and it is to affect these “deep currents” that the BA targets its actions. We are thus locked into a battle for the hearts and minds of a generation of young Egyptians, promoting rationality, tolerance, openness, dialogue and understanding in the face of obscurantism, extremism and xenophobia.

Yet, many complained that these endless meetings, lectures, forums and events were not producing anything. Our confidence in youth was unshaken, and sure enough, they were the ones who would unleash the latent power of the Egyptian people in the historic events of January 2011.

The Egyptian Revolution and the “Arab Spring”

So, a salute to Egypt’s wonderful youth, who changed the course of history through 18 days of peaceful demonstrations. [...] They linked arms and formed a human chain to protect the BA from any harm during the demonstrations and upheavals. Young people prepared an enormous flag that they placed on the steps of the Library as a moral barrier to direct demonstrators away from the building. Subsequently, after these early tumultuous days of the Revolution, when people were concerned about the kind of future they would have, these same steps of the BA became a favorite rallying spot for those who would want to demonstrate for religious freedom and equality.

The Egyptian Revolution of 25 January 2011 now belongs to the history books. It is a brilliant chapter in the unfolding story of the struggle for human dignity and the values of our common humanity. Egypt was just the crowning achievement of what has been called the “Arab Spring”. Ordinary citizens have toppled autocrats and still battle dictators armed with little more than their convictions. Ultimately, they cannot be denied. For as Victor Hugo: “No army can defeat an idea whose time has come”. Freedom, human rights and democracy are ideas whose time has come for even the most remote corners of the globe.

Sparked by the successes of Tunisia and Egypt, the people speak. From the Syrian demonstrators of Damascus and Deraa, to the embattled Libyan defenders of the encircled Misrata, to the chanting Yemeni crowds in Sanaa, they are the embodiment of the unconquerable spirit described by Henley’s *Invictus*.⁴

It matters not how straight the gate,
How charged with punishments the scroll,
I am the master of my fate,
I am the captain of my soul.

This surge for freedom will face setbacks to be sure; but ultimately, it must triumph.

⁴ *Invictus* (meaning unconquerable in Latin), published in 1875 by William Ernest Henley (1849–1903).

Today, there are those who fear that the Arab Spring will give way to the Islamist winter. That the idealism of the revolutionary democrats will only pave the way for theological autocrats. Yes, Islamist sentiment is rising and zealotry is expanding in parts of the public realm. However, the defense against extremism is not by censorship or autocracy; it is by embracing pluralism and defeating ideas with ideas.

As we move from political revolution to societal transformation, the wrenching, interacting currents of political thoughts and competing visions try to shape the future of our societies. The Bibliotheca Alexandrina, the New Library of Alexandria, is both an observer and a participant in this process.

C. IN THE EYE OF THE STORM

Beyond the revolutionary 18 days that shook the world, in the ensuing societal transformation that we are undergoing, the BA was, by and large, a peaceful island in a sea of struggle. It was literally, that place of quiet: the “eye” of the tropical cyclones⁵ — it is in the eye of the storm!

The staff are involved in the organization of thoughtful events, that eschew the newsworthy political immediacy of the formation of new political parties, or the organization of debates between self-declared candidates for future high office, and rather focuses on the real issues facing the population and the country: What kind of a constitutional system should we have? What are the institutional guarantees of freedom of expression? Does one protect group or individual rights? What are the advantages and disadvantages of different voting systems? So many more issues that a fledgling democracy will have to confront. We can learn from the experience of others, but ultimately each society will have to forge its own destiny. The BA will become the refuge for thoughtful scholars who do not easily find a haven in this time of screaming headlines, topical TV, public demonstrations, and 140 character tweets or short messages on Facebook.

There is another storm that is transforming our world, the world of libraries, museums, and research. That vast storm is technology-driven and profound, and it promises to be far more devastating than the “Arab Spring” in its reach and transformative effects on the whole world. It is the “New Knowledge Revolution”. Here again, the BA sits in the eye of the storm. It is very much involved with thinking through the issues ahead, and is part of the major decision-makers working on the big issues that may represent the important “Deep Currents” of that vast transformation, although it is not directly involved in the major battles that are the driving winds of the storm such as the Google/publishers lawsuits, or the commercialization of new technologies of communication and of preservation/replication of documents. Let us look a bit at that global Knowledge Revolution.

We are at a junction between two eras. From a moment when order ruled to one, when complexity and chaos (in the scientific sense of the term) are the norm. It is a moment when human civilization teeters on the brink of a new world system...for we are witnessing a revolution in the structure and meaning of knowledge that is more profound than anything humanity has known since the invention of writing! Writing, not printing. For the former allowed the accumulation and transmittal of knowledge across space and time, and allowed primitive agglomerations to become thriving civilizations. Printing merely spread the benefits of reading by multiplying the number of copies of manuscripts that could be produced accurately and inexpensively. That is no mean feat in itself, but is far less significant than the invention of writing.

So am I exaggerating when I compare the current revolution to the invention of writing? I think not, and I believe that the evidence that I shall marshal will satisfy the reader that this is indeed the case.

⁵ The eye is a region of mostly calm weather found at the center of strong tropical cyclones. The eye of a storm is a roughly circular area and typically 30–65 km (20–40 miles) in diameter. It is surrounded by the eyewall, a ring of towering thunderstorms where the most severe weather of a cyclone occurs. (Wikipedia definition).

D. THE SEVEN PILLARS OF THE NEW KNOWLEDGE REVOLUTION

We all agree that we are moving rapidly towards the knowledge-based society and the technologically-based economy, with the well-known and well-documented aspects of globalization overlaid on this transformation. Here I am speaking of the structure and presentation of knowledge and how we humans will most likely be interacting with knowledge, whether we are academics or researchers or simply the descendants of those who used to go to public libraries and ask the librarian for assistance with a good book to read or a reference source for the paper they are preparing for college. It is this that I refer to as the “New Knowledge Revolution”, a subject I have treated elsewhere at length and in more technical detail.⁶ This knowledge revolution can be diagnosed by seven key characteristics, which I like to call “pillars”, and which I shall briefly describe here. These are:

- Parsing, Life and Organization
- Image and Text
- Humans and Machines
- Complexity and Chaos
- Computation and Research
- Convergence and Transformation
- Pluri-Disciplinarity and Policy

A word about each of these seven pillars is pertinent here,

First: Parsing, Life and Organization

Since the beginning of time, whether we were writing on scrolls or on codexes, and whether the codexes were manuscripts or printed, the accumulation of knowledge was based on parsed structures, with units put next to each other like bricks in a wall of an emerging structure. It was the juxtaposition of these individual parsed works that created the accumulation of knowledge...the rising edifice built piece by piece, brick by brick or stone by stone...

In addition, each piece was “dead”. By that I mean that once published it stayed as it was until a second edition would appear. If we both had copies of the same book, we could both open to, say, page 157 and find exactly the same thing in our respective copies. It did not change whether we did it immediately after the book appeared or decades later.

The Internet changed all that...The web page became the unit of parsing. Instead of the classical sequence of presentation, we now think in terms of a home page and then hypertext links into other related documents. We can expect more fluidity into the merging of image, both still and video, and the transitions from one reference link into another.

Search engines complement the World Wide Web as the on-line material—unlike the traditionally published material—becomes alive. Today, if I look up a web page, and you look it up at the same location a few hours later, it will probably have changed, since the material is constantly being updated.

Furthermore, as we move beyond the current structures of the web, towards the semantic web, where we can search for relationships and concepts and not just objects, the structure of organization and presentation of knowledge will become one large interconnected vibrant living tissue of concepts, ideas and facts that is growing exponentially and which will require new modes of thinking to interact with it. It will automatically spawn these new modes of thinking, and scholarships will no longer be parsed like bricks in a wall, it will be more like a smooth fluid flowing river.

⁶ See Ismail Serageldin, *The Shape of Tomorrow: The Seven Pillars of the Knowledge Revolution and their Implications*, Bibliotheca Alexandrina, Alexandria, Egypt, 2010.

If one were to try to take into account as well the emergence of the social linkages phenomena that the Internet and the web have now made possible, we can now visualize what some specialists have called the “Meta-web”,⁷ with high knowledge connectivity and high social connectivity. Does the Meta-web prefigure the connectivity of intelligence?

Second: Image and Text

Throughout history, the primary means for the transmission of information has been text. Images were difficult to produce and to reproduce. This has changed. With the digital revolution, everybody can record images, both still and video, and computer-generated graphics are becoming affordable by everybody.

The human brain can process visual information with enormous rapidity. Enormous detail can be captured and processed in a fraction of a second. So some new features of the current knowledge revolution appear imminent. One is the far larger reliance on image—in addition to text—in the communication of information and knowledge and the changing forms of the storage and retrieval devices that this will require as we move from text-dependent book and journal to digital still and video image presentations as well as three-dimensional virtual reality and holographic presentations. Interactivity will also become a feature of this new image-based virtual-reality world. Again what does that mean in terms of the presentation, the search and retrieval functions and the interaction between the researcher and the material in the future?

So what does all this mean for the effective description in meta-data, the storage, searchability and retrievability of this enormous and growing world of still and moving images, both fixed and interactive? We will no longer be looking up images through key words entered into text databases such as meta-data catalogs. Computers will do this for us.

Third: Humans and Machines

With the exception of pure mathematics and some aspects of philosophy, it will no longer be possible for any human to search for, find and retrieve, and then manipulate knowledge in any field, much less add to it and communicate their own contribution, without the intermediation of machines. Even in literary criticism and the social sciences, the stock of material to search through can no longer be done manually. This is neither good nor bad. It just is.

Now, after a special chess playing program called Big Blue of IBM defeated world champion Gary Kasparov in Chess in 1997, can we indeed ask, as some visionaries are doing, whether “consciousness” and “intelligence” are emanating qualities from very complex systems? According to some, we are going to witness that happening with machines when they will pass certain thresholds of complexity and power, such as when the level of the processing power reaches certain sizes, and software advances within a decade or so after that to certain levels, all of which is likely to happen within the first half of the 21st century.

Whatever the merits of that particular debate and its ramifications, it is clear that changes are already noticeable in the domain of libraries and the Internet. One example of that is the new World Digital Library (WDL):⁸ The system allows one to link video, image text and commentary and maps into one seamless whole and to be able to search by many different approaches (time, geography, theme, cluster, or even by a single word) and browse the material as well as find what one wants from the digitized material on offer from all the countries of the world.

⁷ See the work of Nova Spivak at www.mindingtheplanet.net

⁸ See www.WDL.org. The Library of Alexandria is currently the chair of the executive committee of this vast collaborative enterprise that involves national and major libraries of over 90 countries.

Fourth: Complexity and Chaos

The world we live in is remarkably complex. The socio-economic transactions of a globalizing world are exceedingly complex as, with the click of a mouse and the flight of an electron, billions of dollars move around the planet at the speed of light. The web of interconnected transactions is enormous, and the ripple effects of any single set of actions and its interaction with other effects is difficult to predict. Our cities have become not only much larger but also much more complex, and ecosystems are not only delicate, they are intrinsically very intricate. So are biological systems.

The reality is complex and chaotic, meaning that complex systems have non-linear feedback loops that result in systems and subsystems that are extremely difficult to predict. Many of our models, based on the simple mathematics and analogies drawn from physics, are proving inadequate.

Fifth: Computation and Research

Until now, computing has been largely seen as the extension of a large calculating machine that can do dumb calculations at incredible speeds. Computer scientists and engineers were implementers who made the life of the creative people and the researchers less tedious. Wonderful tools, no doubt, but just tools all the same. Today, the concepts and the techniques of computing will become a central part of the new research paradigm. Computational Science concepts, tools and theorems will weave into the very fabric of science and scientific practice.

Consider data management. Data when organized becomes information. Information when explained becomes knowledge. That in turn, when coupled with reflection insight and experience may lead to wisdom, but that is another story.

Beyond the scale and magnitude of data collection, we are looking for connections between data collections. These pose particular problems that involve qualitatively different issues. Computer science is where the most work on such classes of problems has been done.

Sixth: Convergence and Transformation

Domains are gradually converging. In simplest terms, once upon a time we had chemistry and biology as distinct and separate enterprises, now we have biochemistry. Such moments of convergence, generating new sciences and insights, turn out to be some of the most fecund moments in the evolution of our knowledge and the development of our technologies. Today, we are witnessing the convergence of three hitherto-separate fields with the birth of BINT: Bio-Info-Nano Technology.

At the same time, we need to develop what the NSF calls Transformative research. That is research capable of changing the paradigm in some fields and domains, such as Synthetic biology and femto-chemistry.⁹ Such research is extremely valuable. Thus, we witnessed the discovery of the structure and mechanism of DNA engender entire fields such as genomics, proteomics and metabolomics.

Will such developments remain serendipitous or will our research paradigm systematically force the development of such converging domains and transformative insights? I believe we are poised to do the latter.

Seventh: Pluri-Disciplinarity and Policy

There is real value in crossing disciplines. Increasingly, both in academic organization and in tackling real-life problems, we note that the old “silos” of disciplines are counterproductive. Much of the most interesting

⁹ Capturing reality of chemical reactions at the femto-second level allows a whole new understanding of chemistry and physics. A femto-second is 10^{-15} of a second. This feat earned Egyptian-born and Caltech-based scientist Ahmed Zewail the Nobel Prize in Chemistry in 1999.

work is being done in between the disciplines, where they intersect or where the gaps are. We also recognize that our real life problems, such as poverty, gender or the environment, are all multi-dimensional and complex and require a special method of organizing all the various disciplinary inputs. Just as we say that diversity is enriching, so is the sharing of knowledge across disciplines.

E. IMPLICATIONS OF THE KNOWLEDGE REVOLUTION

General implications

It is clear from the preceding that we are entering a new age where the production and dissemination of knowledge, its storage and retrieval, its understanding and manipulation, its interpretation and reinterpretation, its integration and reinvention, all necessary parts of a functional cultural legacy and a dynamic cultural scene, will be different.

If the diagnosis is correct, then we should be thinking from now as to how to design the infrastructure of knowledge in our societies to take into account “The Seven Pillars of the New Knowledge Revolution”, as I have chosen to call them, and their implications. By the infrastructure, I mean the education system from pre-school to post-graduate studies; the research institutions in universities, independent labs and in the private sector, and the supporting structures of knowledge and culture that are libraries, archives and museums.

The BA which encompasses not only research institutes but also libraries and museums must be engaged since the implications for libraries and museums are profound. Everything from storage to retrieval poses problems of technical and physical obsolescence. For despite their enormous convenience and their ability to expand our mental and physical reach in many innovative ways, the new digital technologies are quite susceptible to rapid obsolescence.

The Future of Libraries

The experience of the World Digital Library (WDL) shows glimpses of what the future may hold for libraries. This raises the question that if all the material will be presented in virtual forms and brought to us wherever we are at home or the office, what will become the purpose of the space we now call a library? There are at least five special functions that these new institutions of the third millennium will undertake.

First, they will continue to harbor the originals. Manuscripts and first editions will continue to work their fascination for us, as the objects—above and beyond the content—are seen to have intrinsic value and worth. Being able to consult them will confer on the visitor special joys and possible new insights.

Second, the library will become a meeting place for the like-minded and the interested in particular themes. A treasured meeting place, evoking the past and surrounded by the treasures of our heritage, it will be an inspiring venue for the literati and for the public at large.

Third, there will continue to be certain materials that for institutional and financial reasons will be beyond the reach of most people to get for a nominal fee, and that the libraries will be able to provide only *in situ*. In addition, the libraries will have an integrated infrastructure for researchers, artists and critics that will enable them to find in one place, with excellent services, the full gamut of the materials and facilities they need.

Fourth, the library will be the appropriate bridge between the population, especially the researchers among that population, and the national and international archiving system. There, the sheer scale of the enterprise will pose particular problems, that are likely only to be addressed by libraries and archiving institutions.

Fifth, the library will continue to have special programs that involve children, schools, youth and their parents in the magnificent enterprise of socialization and learning that will continue as long as societies continue to exist. Such an enterprise may change in content as the world around us evolves, especially in the radical manner that I have described, but it will continue nonetheless. The transition from childhood

to adulthood involves more than skills transfer, it involves the learning of who we are and where we belong. Culture manifests itself at every turn. The institutions of culture will therefore be part of that future that we look to, as much as they have been part of our past.

The Museums of Tomorrow

Museums will have to become much more than the storage place of rare originals and the general imparters of knowledge. Yes, there will always be that unique joy, that special feeling of awe that one has in being in the presence of the actual original piece of art or that rare object that has been recognized as worthy of being a “museum piece”. For specialists, there may well be additional and possibly profound insights that can be gained only by the examination of the original work. Museums deal with more than specialists; they have to cater to the needs and wants of the general public. They must take note of the fact that the web will provide excellent materials, in 3-D animations that will look very lifelike, and will provide access to many sources of information. Thus, the displays of tomorrow will change. They will be more like curated shows, perpetually changing as the institution tries to reach the public in myriad ways. The skill of the curators will be apparent in the quality of the shows that they organize. So, rather than standardized fare, we can expect that the museums of tomorrow will have perpetually changing displays, that make full use of the available technologies, but provide an added “oomph” that can only be provided by the size of the exhibition, the excellence of the space, the attractiveness of the surroundings, and the exciting manner in which the building itself provides a sense of place.

F. TO THE FUTURE

Today is a time of change, globally and locally. In these raging currents, the Library of Alexandria stands at the eye of the storm, an oasis of calm in a turbulent sea of transformative currents that are reshaping the world in countless ways. Both globally and locally, the BA is both an observer and a participant in the process of change, but it is not in the front lines of conflict. It is a refuge for the thoughtful and a bulwark of the timeless values that must be protected despite all changes if we are to advance towards democracy in Egypt. It is also a contributor, in a much smaller way, to the global effort to keep humanity on the path of recognizing our common humanity, protecting the environment and abolishing extreme poverty and hunger in the world.

In Egypt, the people are all celebrating the start of a new era; but the road ahead is going to be difficult. Views on what sort of system the country should have invariably vary. Worse, there are those who believe that they have a god-given right to impose their narrow perspectives on all others by force or by ruse. Sometimes they are incorruptible men such as Oliver Cromwell¹⁰ or Maximilien Robespierre¹¹...Men who believe that they are entitled by the correctness of their cause to trample afoot the rights of others, who believe that the ends justify the means.

If they are incorruptible in their devotion to an ideal and their rejection of personal wealth, they are corrupted by power. They are the epitome of the famous statement by Lord Acton:¹² “Power corrupts and absolute power corrupts absolutely.”

Today, the soul of the Revolution, so brilliantly embodied by the youth of 25 January 2011, is being fought over by the forces who would want to reinstate stifling State power in the name of “law and order”, or those who seek to instill forms of religious rule that could be inimical to the rights of women and non-

¹⁰ Oliver Cromwell (1599–1658) was an English military and political leader who overthrew the monarchy, established a republican Commonwealth, and then ruled as a dictator as “Lord Protector” of England, Scotland and Ireland.

¹¹ Maximilien de Robespierre (1758–1794) a leader of the French Revolution, established the Reign of Terror, which ended with his own execution in 1794.

¹² Sir John Dalberg-Acton (1834–1902), known as Lord Acton, was an English Catholic historian, politician, and writer.

Muslim minorities, or those who in the name of revolutionary fervor would want to create a new form of McCarthyism. Yet, I have no doubt that in the enormous struggle with conservative, anti-reformist forces for the hearts and minds of our people, we shall ultimately prevail.

The tide of history is on our side. The forces who would try to stop the march of liberty shall not succeed. They try, Canute-like,¹³ to force back the waves. The entire history of the world is about the increasing emancipation of humans, and respect for their inalienable human rights. Those who try to turn back the tide of democracy with its messy freedoms are afraid. Afraid of pluralism and diversity, afraid to lose control, afraid to tolerate the contrarian view, afraid to open up to the other...

These obsessions and fears will not beget policies that can respond to the challenges of tomorrow. The new century requires access to science, not just consumption or mastery of technology. It requires the space of freedom to create, to dream and to think of the new and the untested, not the constraints of dogma and tradition. It requires a forward looking vision of a better future to guide our actions in the present.

We must ensure that this moment of euphoria and the solidarity created by this revolutionary movement launched by our youth on 25 January is effectively transformed into the institutions and laws that will be the real guarantors of a true democracy. Following the demonstrations, the battles and the celebrations in the streets, we must now carry on the equally demanding work of designing new institutions, selecting new leaders and creating new laws—to fashion the wise constraints that make people free.

I have unlimited confidence in youth. It is the dawn of a new day, for Egypt and the world, and for the Library of Alexandria as well. Soon, in this new century, we will transform our country, so that it will indeed be as Tagore¹⁴ said:...

Where the mind is without fear and the head is held high;
 Where knowledge is free;
 Where the world has not been broken into fragments by narrow domestic walls;
 Where words come from the depth of truth;
 Where tireless striving stretches its arms towards perfection;
 Where the clear stream of reason has not lost its way into the desert sand of dead habit;
 Where the mind is led by thee into ever-widening thought and action ---
 Into that heaven of freedom, my father, let my country awake.

¹³ The reference is to King Canute the Great, or “Cnut”, King of England, Denmark and Norway, who ruled England for almost twenty years to his death in 1035. He also controlled the majority of Scandinavia. Legend has it that he sat on his throne on the British shore and ordered the waves to stop in the face of a mounting tide (the story is recounted by Henry of Huntingdon, the 12th century chronicler). The rise of the water was unstoppable, and he used it as a lesson to those around him not to deify the king, and he hung his gold crown on the crucifix, never to wear it again. Yet, the story is usually misrepresented by popular commentators and politicians as an example of Cnut’s arrogance, and has entered the language as such.

¹⁴ Rabindranath Tagore, *The Gitanjali*, Poems, 1913. The *Gitanjali* is a collection of 103 English poems, largely translations from Bengali, produced by Tagore and published in 1913 with an outstanding preface by W.B. Yeats. It is worth noting that Rabindranath Tagore (1861–1941)—poet, philosopher, author, playwright, musician, artist, reformer and educator—was the first Asian to win the Nobel Prize in 1913. He is also known as the author of both the Indian National Anthem and the Bangladeshi National Anthem.

DOCUMENTATION OF THE 25 JANUARY REVOLUTION PROJECT

The Memory of Modern Egypt project has been documenting and archiving life in Egypt during the 19th and 20th centuries going on to the 21st archiving through pictures, films, stamps, coins, journals, magazines, documents, and historical studies. Hence, it was only natural that this huge project documents the first Egyptian uprising in the 20th and 21st centuries that succeeded in overthrowing the ruling regime.

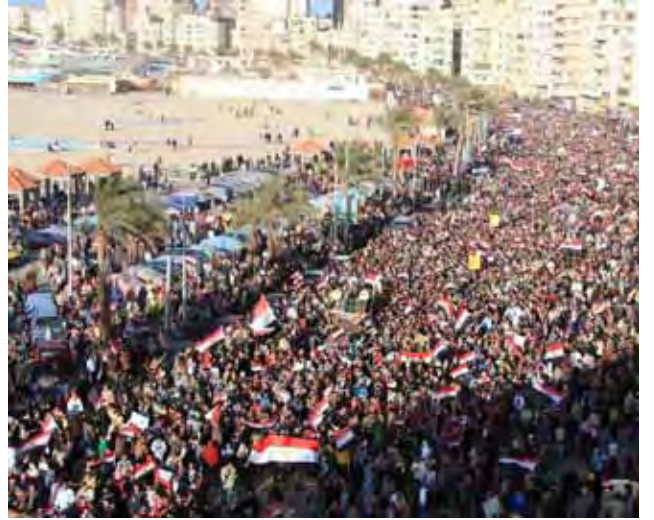
Unlike previous revolutions in the history of Egypt, the 25 January Revolution is characterized by its technological flair.

In keeping with its mission, the BA is currently working on digitally documenting the 25 January Revolution starting from its eruption through to its subsequent rising issues. Massive data is being compiled through administering crawls mainly from social networks—the main stirrer of the revolution.

The documentation of the actual revolution and aftermath covers: Martyrs of the Revolution, Major Events, Places, Public figures, and Topics. One of the BA Quarterly Newsletter issues covered many events on the Revolution. A website is also under construction.

The BA has been harvesting:

- News and politics websites, where almost 4 TB of data has been collected through the BA Internet Archive which are yet to be indexed and published.
 - Social networking and video/photo sharing sites; where five main sites are being searched for certain keywords related to events.
 - Relevant data is being compiled from Youtube (43,900+ videos), facebook (5,300+ groups, 61,200+ photos, 2,400+ videos, 1,900+ notes), flickr (4,500+ photos), Picasa (7,900+ photos), and twitter (944,000+ tweets).
- Satellite channel archiving, where 440+ videos of TV broadcasts have been compiled from AlJazeera, CNN, TV5Monde, Al Masreya and BBC News.



ANNEX

LOOKING BACK

2002–2011

A JOURNEY OF ACCOMPLISHMENT AND ACHIEVEMENT

At this moment of revolution and transformation it is pertinent to look back at the journey of the Bibliotheca Alexandrina since its inauguration in 2002 to the end of June 2011. It has been a journey of accomplishment and achievement, that has been validated by the revolutionary youth themselves, who so wisely protected the BA from any vandalism.

The whole world is also undergoing a great revolution: The third global revolution towards the information society, the knowledge-based economy and the globalized world of today... and against that background, at the dawn of the 21st century, Egypt launches the bold revival of the Ancient Library of Alexandria, and on the same spot, after 1600 years of absence, the New Library of Alexandria welcomes the new century.

Here are ten brief vignettes from that remarkable—and short—journey of barely eight-and-a-half years since the inauguration on 16 October 2002.

I. The Spirit of the Ancient Library

The Ancient Library of Alexandria was much more than a library. It was a place of learning, where the arts, history, philosophy and science could get together...A place of learning and teaching, of dialogue and understanding.

Egyptian, Greek and Asian science, knowledge and wisdom, all came together in the formidable Ancient Library of Alexandria. No field of inquiry was too sensitive to explore. No enterprise was too difficult to undertake. No theory was too strange to be discussed.

For over six centuries, it was the epicenter of learning...Before the beginning of the fifth century of our era, it was no more...but it continued to inspire scientists and intellectuals everywhere.

Sixteen-hundred years later, under the auspices of former President of Egypt, it came to life again.



From Aswan, in 1990, where world leaders joined Egypt in declaring their commitment to turn the dream to reality, what was only a concept came to life.

With support from UNESCO, the bold new architectural vision conceived by a young team of designers based in Norway was adopted. They joined forces with Egyptian engineering talent, and the vision took shape and was realized by British, Italian and Egyptian contractors. All hands joined together to build a magnificent new structure to house the New Library on a land donated by the University of Alexandria where scholars' calls for the revival of the Library had been championed for three decades.

THE NEW LIBRARY PROJECT

What a magnificent building it is...bold, evocative, inspiring...it calls to the better angels of our nature...

The Bibliotheca Alexandrina, the New Library of Alexandria, is dedicated to recapture the spirit of the original. Its mission is

To be a center of excellence for the production and dissemination of knowledge, and to be a place of interaction and dialogue between cultures and peoples.

Specifically, the New Institution aspires to be:

- The World's window on Egypt,
- Egypt's window on the world,
- A leading institution of the digital age; and, above all,
- A center for learning, tolerance, dialogue and understanding.

To fulfill that role, the new complex is much more than a library. It contains many libraries, four museums, nine research institutes, fifteen permanent exhibitions, four art galleries, a planetarium, an exploratorium, vast conference facilities, special electronic resources, a dialogue forum and a whole lot more.

Today, some 2000 very young and gender-balanced staff and managers, are making this vast complex of interlocking organizations hum with life...



The Bibliotheca Alexandrina receives more than **1.4 million visitors a year**, and its websites receive over **500 million hits**.

The BA hosts on its premises no less than **700 events per year**, from annual book fairs to exhibitions, from conferences and seminars to concerts, theater, and operas. The Bibliotheca Alexandrina has become the meeting place for Nobel laureates, eminent figures, great intellectuals, and talented artists.

The vast main **library** has gone from receiving its first book to over 1,500,000 volumes, and provides over 45,000 journals to its visitors as well as extensive e-resources. The Library Sector also provides special **training for librarians**. There are special libraries for **Children and Youth**. Programs introduce the young to the hybrid world of the electronic and printed word and offer that to the schools through the **Bookmobile**. Special resources are deployed for the **Taha Hussein Library** for the Blind and Visually Impaired, and the special libraries for **multimedia** and arts, **rare books**, and **microforms**.

2. The New Library Spirit

Despite its youth, our Institution is already making an impact in many different domains. It is indeed recapturing the spirit of the Ancient Library of Alexandria. It is a place of freedom, a meeting place for the dialogue between peoples and cultures. It is a place dedicated to upholding the values of rationality, learning, pluralism and understanding.

Like its illustrious predecessor, it is dedicated to advancing universal knowledge, not a single specialty. It is addressing research and applying advanced techniques to everything from the visual arts to the informatics revolution, from the documentation of heritage to the promotion of peace. It is a university without walls or registration, without formal certificates or structured courses.

It is open to all those who seek knowledge in all its aspects and manifestations.



All those who love art in all its wondrous expressions.

All those who thirst after a better understanding of their heritage or of the world.

All those who dream of pushing the frontiers of scientific knowledge to wherever human ingenuity will take it.

The **Dialogue Forum** organizes bi-weekly discussions which encourage rationality, a civil discourse and openness to the other. Indeed, the Institution must stand for certain values. It was recognized as such when it organized the **Freedom of Expression** conferences, and hosted the **Beacon for Freedom** database.

It organized the first **Arab Reform Conference**, which produced the **Alexandria Declaration**, and the ongoing **Arab Reform Forum**. Subsequent meetings and publications all deepen our understanding of the fundamental values of our time, and promote the involvement of the civil society. In addition, the **Arab Info Mall** was created to strengthen the network of Arab civil society organizations, promoting exchange of information and discussion.

The Library also had the privilege of hosting an **Institute for Peace Studies (IPS)**, the first such institution in this part of the world. The IPS is providing—through research and training—substance and meaning to the concepts of the culture of peace.

3. Art and Culture Complement Science

The Bibliotheca Alexandrina is also about Art.

From the Inauguration in 2002 to the Biennale of Imagining the Book and the Artist's Book; from the training of talented youth in music and the plastic arts, to the hosting of the arts of the world, art permeates the Institution...

In addition to four art galleries for temporary exhibitions, we have fifteen permanent exhibitions presenting:

- (1) Impressions of Alexandria: The Awad Collection,
- (2) The World of Shadi Abdel Salam,

- (3) Arabic Calligraphy,
- (4) The History of Egyptian Printing,
- (5) The Artist's Book,
- (6) Star Riders (Arab Muslim Medieval Instruments of Astronomy and Science),
- (7) Mohie El Din Hussein: A Creative Journey,
- (8) Arab Folklore (Raaya Al-Nimr and Abdel-Ghani Aboul-Einein Collection),
- (9) Adam Henein
- (10) Ahmed Abdel-Wahab
- (11) Hassan Soliman
- (12) Hamed Saeed
- (13) Seif and Adham Wanly (Motion & Art)
- (14) Permanent Sculpture, and
- (15) My Digital World

and more are being planned every day.

We sponsor special exhibits and musical events almost everyday...

We arrange open-air concerts during summer...

We even sponsored the composition of the first Egyptian opera in 40 years based on Naguib Mahfuz' *Miramar*.

and...

By bringing about the documentation talents of the CultNat staff, the musical talents of composer/conductor Sherif Mohie Eldin, and the Orchestra and Choir he conducts; and the archaeological expertise of Mohamed Saleh, we also helped bring the famous *Book of the Dead* to life, in the first-ever oratorio in the Ancient Egyptian Language...

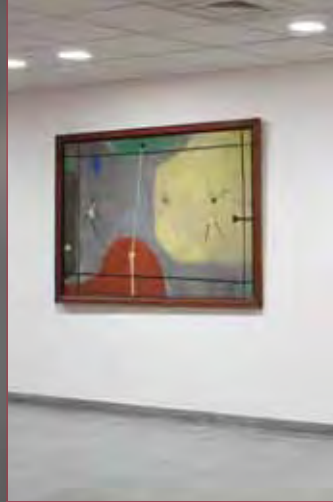
and we cater to the young...

Art is everywhere in our Institution. For humans need art as much as they need knowledge, science and technology...and it is these that are our rightful subject today...

4. Research Institutes

The Library has nine research institutes, and there are several more being formed. It is diversified in several campuses and is eagerly pushing the boundaries in each of its chosen fields of endeavor.

The **Alexandria and Mediterranean Research Center (Alex Med)** is dedicated to revive the city's



pivotal position in the Mediterranean and become a cultural center for the Euro-Mediterranean Region and the Middle East.

Established as a joint collaboration between the Bibliotheca Alexandrina, the Onassis Foundation, the Vardinoyannis Foundation and the University of Alexandria, the **Alexandria Center for Hellenistic Studies** offers numerous courses and classes for diplomas and Master's degrees.

The **Arts Center**, a haven for art lovers, provides a forum for various art expressions in all its forms and seeks to be an incubator for the talents of children and young people through its different sections.

The **Calligraphy Center** studies inscriptions, calligraphies and writings in the world throughout the ages, from the Pre-historic Period up to the digital age.

The Cairo-based **Center for Documentation for Culture and Natural Heritage (CultNat)** aims to document Egypt's tangible and intangible cultural and natural heritage applying the latest technological innovations.

The **Center for Peace and Democracy Studies (CPDS)**, originally the Institute for Peace which the Library had been hosting, is dedicated to encouraging and disseminating the culture of peace and democracy, and developing the abilities of young people to create the conditions for sustainable peace and human security.

The **Center for Special Studies and Programs (CSSP)** seeks out a generation of creative and innovative researchers through Research Grant programs.

The **International School of Information Science (ISIS)** acts as an incubator for digital technological projects, thus promoting and nurturing innovations that encompass the spirit of the BA's mission.

The **Manuscript Center** works on the preservation, digitization and management of heritage through a number of integrated sections.

The BA has itself become a powerful research laboratory in its own right. It is a leading institution in a number of areas including the documentation of heritage, the presentation of such material in novel ways and the systematic building up of databases to

honor this patrimony. The BA is also at the cutting edge of a number of other research areas from natural language processing to interlinked presentations of science made available for free to the rest of the world...from Arabic machine-based translation to Arabic librarianship.

Last but not least we have the **Dialogue Forum** which provides a medium for liberal thought and cultural exchange, promoting dialogue and interaction within oneself and the other in a reviewing spirit.

5. Some Important Achievements

The **Culturama**, developed by CultNat, winner of many awards, is now patented. It allows the presentation of a wealth of data layers, where the reviewer can click on an item and view a new level of detail. It is a remarkably informative and attractive multi-media presentation of Egypt's heritage throughout 5000 years of history to these modern times, with highlights and examples of Ancient Egyptian and Coptic/Muslim heritage. The Culturama has been installed in Luxor, and is being installed in several other locations as well. It has also been the vehicle to present the only ever **Pharaonic language opera**.

Beyond the Culturama, **CultNat** has also developed the award-winning website **Eternal Egypt**, and has documented **the musical heritage** of Egypt, as well as **folklore**, and **wildlife** and it anchors an ongoing effort to create the General Egyptian Museum (**GEM**) a virtual presentation of the ancient Egyptian antiquities in many museums around the world.

CultNat also collaborated with the **BA Antiquities Museum** for the complete **digital guide** for the magnificent collection donated by the various museums under the aegis of the Ministry of Culture and the Supreme Council for Antiquities. The Museum also organizes its own **educational program** for youth.

The **Manuscript Center** has an outstanding **Restoration Lab**, and produces excellent **monographs and catalogs**, as well as **digital collections** that researchers access to study at their leisure. Learned **conferences** for scholars complement exhibits for casual visitors.

The **Manuscript Museum** displays some of the most beautiful pieces of the Kiswa of the Holy Kaaba ever seen, and to the delight of visitors, we also have **virtual browsers** that allow visitors to turn the pages of rare manuscripts and see them translated before their eyes!

The New Library of Alexandria also studies the nature of scripts and writing and calligraphy. Its specialized center researches all scripts, not just the beauty of **Arabic calligraphy**, shown here in the beautiful works of Mohamed and Kamel Ibrahim. Scholarly works include translations, such as the award winning *History of Writing*, and original material such as *Abgadiyat*.

The Library is also devoted to the city of Alexandria and its special links to the Mediterranean. Through its **Alex Med** Center we document the past, including the beautiful **Awad Collection**, and even recreate it as in this 3-D visualization of the **Pharos** and how it collapsed.

The historic **Mosques** and **Hammams** of the Turkish city were documented, and we produced the first tourist **itineraries**, **maps** and **atlas**, as well as many **studies** for the development of the city.

Science is present in much of the activities of the Center for Special Studies and Programs (**CSSP**) which organizes the biannual **BioVision Alexandria**. CSSP provides **research grants** to offer the participation of young Egyptian scientists with colleagues abroad, as well as organizing major international events such as the meetings of IAU, **TWAS** and IAP/IAC.

The BA is also mediating a special international project for the study of the **genetic roots of heart**

disease, with a central lab that connects researchers in Egypt with those in Oxford, London and Florence, it is the forerunner of things to come.

6. ICT at the BA—Frontier Science

From the start, the ambition of being a **leading institution of the digital age** meant more than just applying ICT to our regular work, important though that may be. With special efforts from our International School for Information Science (ISIS) and our ICT Department and their newly-created Digital Lab, and inputs from many other parts of the Institution, we are breaking new ground in many domains. For example:

The **Internet Archive**, a unique repository established in California, maintains a record of all the public pages on the World Wide Web. The BA is proud to maintain the only complete back-up copy. It is maintained in mass-storage devices known as the peta-box and includes over 50 billion pages of materials.

The Virtual Immersive Science and Technology Applications (**VISTA**) system is an interactive Virtual Reality environment, allowing researchers to transform two-dimensional data sets into 3-D simulations, and to step inside them. A practical tool of visualization during research, VISTA helps researchers to simulate the behavior of natural or human-engineered systems, instead of merely observing a system or building a physical model.

In 2004, we produced the first all digital DVD of the *Description de l’Egypte*, which is now on line. With our **Digital Lab**, we became a partner in



the **Million Book Project**, digitizing books with a special expertise on the Arabic language.

We obtained the second prototype of the **Espresso Book Machine** to help pioneer a new business model for publishing that will make available the many titles that are currently out of print but under copyright, provide instant publishing and protect the rights of authors and publishers.

In May 2005, before we were three years old, the BA was admitted as a full strategic partner in the **Digital Library Federation**.

In April 2007, the Library of Congress, signed an agreement to collaborate with the BA in designing the **World Digital Library** central hub and to maintain, in Alexandria, the back-up copy of the materials.

The BA pioneered many digital projects, including what we are happy to unveil today, the **Digital History of Modern Egypt**, this enormous work involves putting text, image, video, voice, music and old manuscripts together into an interconnected whole covering the period from Muhammad Ali to Anwar Sadat, from the Description de l'Egypte to the Archives of Nasser and the Sadat Archive, covering the Suez Canal, the Misr Bank, eminent political and social and literary figures that crafted the history of Modern Egypt.

Beyond these many projects and initiatives, the BA is actively involved in the Encyclopedia of Life (EOL) and the design of the BA Science SuperCourse...

It was started at the University of Pittsburgh along with WHO on Epidemiology and has a network of 60,000 faculties using the 4,000 lectures to reach a million students in 175 countries. Now it is being expanded to cover other fields of science under the direction of Vint Cerf, Gil Omenn, Ron Laporte and Ismail Serageldin.

The UNL is a UN-sponsored initiative for machine translation between all languages. The BA is handling the Arabic part of that project. It is an exciting venture...where not only do pages reappear translated, but also Arabic text can be improved and even summarized...

7. An Infrastructure to Help All Scientists

Up to the late part of the 20th century there were only two kinds of science: Theoretical science and Experimental science. Then computers became powerful enough and fast enough to establish a third kind of science: computer simulation. By building computer models of the phenomena that we want to



study and testing these phenomena in the computer rather than in real life. Or sometimes just narrowing the range of parameters to test in the computer before testing them in the laboratory. That, of course, is in addition to the computer's major role in managing databases, in transmitting information and in providing enormous memory and vast computing capability. Indeed today, computers have become an indispensable part of the enterprise of science.

The New Library of Alexandria, is dedicated to the promotion of science by enabling local Egyptian researchers to work with their colleagues in the rest of the world, connected by the new digital technology, undertaking the best possible analysis from the infrastructure provided by the Library of Alexandria. What is this infrastructure?

First: A wonderful complete database of resources in the hybrid library, which in addition to its conventional print resources, also provides electronic databases and electronic journals: more than 40,000 journals, all full text, all up to date.

Second: A huge computing capability, more than 2800 computers spread all around the building, 400 of which are for public use, and a special super computer. To qualify as a super computer, the array must be capable of performing more than 10,000,000,000,000 calculations per second! Otherwise that is just a large computer.

10,000,000,000,000 calculations per second. What do you need such power for? Many types of problems: from bioinformatics, to finite element analysis, to evolutionary programming, to nuclear particle analysis.

Third: A strong analytical visualization team to work with researchers in the simulation of technical problems in a 3-D virtual reality totally immersive environment.

Sometimes that can be done in a very realistic three-dimensional virtual reality environment where the scientists can totally interact with their subject. The first well-known application of that technology was the training of pilots in simulators.

Fourth: Vast storage capability. The Library of Alexandria has the privilege of maintaining the peta-box system developed by the Internet Archive of California. This single rack has huge storage capability. If you were to take one book of 300 pages and digitize it into text, that rack could hold 100 million books! If the books had pictures and images, it could hold 12 million books...

Fifth: Internet connectivity. The essential link to the information highway, to other researchers, the lifeblood of the new world order, Internet connectivity is an indispensable part of the modern world and it is an essential part of the enterprise of science.

8. Science for the Public

The **Planetarium**, combined with the **ALEXploratorium**, and the **History of Science Museum** constitute a complex dedicated to encourage the young, 6–22 years of age, to experience the joy of discovery and the excitement of the scientific enterprise.



The planetarium exposes films, and the ALEXploratorium has regular daily programs and will start to provide some of these in Cairo as well. It works with teachers and the Ministry through **LAMAP** and is helping to establish science clubs. Notable events include the annual recreation of the experiment by which **Eratosthenes** calculated the circumference of the Earth, and a special institute to study the **eclipse** of 2006, as well as the celebration of the centennial of **Einstein**'s miraculous year.

Planetarium shows have become very popular. This prompted the BA staff to develop their own film-making ability, producing the **Sky of Alexandria** in 2007. It was the first Arab-produced film done locally entirely by local resources.

9. Reaching out to the Young

Local talent is everywhere among young Egyptians...

The annual Science Festivity we hold brings over 20,000 young people over a three-day period...

The competitions we organize show enormous promise from Aswan to Alexandria...

The science clubs we organize in local schools have enormous appeal and impact...

The efforts to rejoining with the past, when we redo the Eratosthenes experiment to calculate the circumference of the Earth is an enormous success every year.

10. Past, Present and Future

In a few short years, the BA has already made a major contribution to bringing to life the cosmopolitanism of Alexandria, which was recalled, when in 2007 we celebrated the centenary of the birth of the Egyptian Cinema in 1907. For in the Bibliotheca Alexandrina we honor the past, celebrate the present and invent the future. It is where minds meet and borders disappear...

The New Library of Alexandria not only connects with the most advanced science in the world of ICT and other domains, it also provides the infrastructure

to help nurture the work of young men and women who could be the future Egyptian Nobel laureates in this new century...to help Egypt take its place once more on the global stage of science.

The New Library is nurturing the artistic talents of Egyptian children to open up avenues for the gifted and the endowed.

The New Library is reaching out to all the children of Egypt and helping them learn to learn, and learn to become better citizens, and may build a future worthy of our great country.

Exciting new chapters in arts, civics, science and the application of information technology are being written here every day, and more are awaiting to be formulated by the unleashed talent of all these young people who use the Library...

One can imagine some of these new chapters...

One can see the journey these young minds are embarking on...

One can visualize the horizons that they will travel to...

Their story, the story of their budding talents, is one that all of us at the BA are proud to be able to contribute to.

