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American University of Beirut
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Raja Iliya Collection, 1973-2017

A Finding Aid to the Collection in the University Archives, AUB
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Descriptive Summary

Call No.: AA:6.2.9.1

Library catalog ID: [b26572618](#)

Record Creator: Iliya, Raja, 1926-2020

Collection Title: Raja Iliya Collection, 1973-2017.

Collection Dates: 1973-2017.

Physical Description: 4 boxes (1.3 linear feet)

Language: Arabic, English

Administrative Information

Source: Donated to the Library by his family in 2021.

Access restrictions: The collection can be used within the premises of the Archives and Special Collections Department, Jafet Memorial Library, American University of Beirut.

Photocopying restriction: No photocopying restriction except for fragile and handwritten material.

Preferred citation: Raja Iliya Collection, 1973-2017, AA:6.2.9.1, Series No., Box No., File No., American University of Beirut/Library Archives.

Scope and Content

Professor Raja Iliya joined AUB as instructor in civil engineering in 1953. His collection consists of some biographical information and personal projects especially in the field of Churches. The collection also includes reference and academic books.

Arrangement

This collection is arranged in two series:

Series I: Biographical information and personal projects

Series II: Reference books & teaching material

Biographical Information

Professor Raja Iliya (BA' 47) joined the Department of Civil Engineering in the American University of Beirut in 1953. Iliya taught in the fields of reinforced concrete theory and design, structural analysis, and soil mechanics and foundations, becoming full professor in July 1967. Throughout his years of teaching at AUB, he also served as a consultant in Lebanon, the Arab world, and Africa on many projects: desalination plants, bridge pile foundations, wheat silos, cement factories, TV towers, embassies, dormitories, and the reconstruction of College Hall.

In Lebanon professor Iliya worked on several local civil projects. He frequently arbitrated disputed projects, served on the committee to rebuild the National Evangelical Church of Ras Beirut, assessed structural damages to down Beirut buildings through the Order of Engineering and Architects, and worked on a committee rebuilding the silos of the Beirut port.

He was awarded the Medal of the Cedars, Knight Rank.

Iliya is a third-generation graduate of AUB himself, with grandfather, father, two brothers, and two of his three children were all AUB graduates.

Professor Raja Iliya died on October 31, 2020.¹

Subject Headings

Iliya , Raja , 1926-2020.

American University of Beirut. Faculty of Engineering and Architecture -- Faculty.

Concrete construction.

Silos -- 1990-2000.

Building material.

Container List

Series I: Biographical information and personal projects

Box 1: General biographical information; projects

File 1: Biography; honoring; lecture; family...

File 2: Project: Design of Pier and Abutment foundations for bridges at Raniah by Raja Iliya, May 1973.

File 3: Thermo Knapen Cement blocks (for walls), March 1979.

File 4: Primary sedimentation tank, sewage treatment extensions, phase III- Part I in Medinah- Saudi Arabia: Reviews notes by Raja Iliya, 27 October 1982.

File 5: Structural works: Cover slab of 2nd basement- Khawli- Design calculation sheet, August 1983.

File 6: Draft of a study "Planning for human settlements in disaster prone areas" by Raja Iliya.

File 7: Church of Saint Peter and Paul of Ras Beirut: Calculation Notes (Structural), Preliminary Design, March 1985.

File 8: Malas Building, Manara, Ras Beirut. May 18, 1992.

File 9: Beirut Port silos: Assessment of concrete & steel strength report on collapsed Silo cell at Beirut sea port Beirut, Lebanon; requested by Professor Raja Iliya, Dr. Omar El Omari; Dr. Issam Bakdashi. July 30, 1992.

قرار يتعلق بتشكيل لجنة للكشف: على الصوامع التي انهار جدارها في اهراء بيروت وعلى كافة صوامع الاهراء.
١٩٩٢.

تقرير بالحادث الذي وقع باحدى صوامع الاهراء بتاريخ ٩ / ٧ / ١٩٩٢. بيروت في ٩ تموز ١٩٩٢.

Lettre du directeur des Silos Jean Touma à la Societe Kampsax, concernant l'effondrement d'une cellule du Silo du Port de Beyrouth, 30/7/ 1992.

Remedial measures for Silos- Beirut – Lebanon, April 5, 1994.

قائمة باسماء المتعهدين.

¹ American University of Beirut, (2000). "Great Scholar- Teachers": Penrose Award.

- File 10: Evangelical church – Dhour Schweir- Sketches by Raj Iliya., October 1, 2009.
- File 11: Greek Catholic Church of Ain Ksour, October 23, 2009.
- File 12: The National Evangelical Church, Abbaye -Lebanon, Design, July 2017
- File 13: Church of Bhamdoun –Concretes, calculations.
- File 14: Concrete computations for a project.

Series II: Reference books & teaching material

Box 2: Folders on concrete

- Folder 1: Hinges for footings of rigid frame concrete bridges by Concrete information Portland Cement Association
- Folder 2: Underground Concrete Tanks by Concrete information Portland Cement Association

Box 3: Folders on concrete design software Library

- Folder 1: Mats – Concrete Design software library.
- Folder 2: Adoss - Concrete design software library.

Related Material

Books

- Great scholar-teachers: Penrose Awards. [CA:AUB 378.5692:A512g:c.1](#), [RLEB 378.5692:A512g:c.1](#), [J378.5692:A512g:c.1](#)

Photos

- Afif Raja Iliya Neuroscience Library opening, 2002. [Ph:AUB:2002/06/03\(03\):1-8:73](#); [Ph:AUB:2002/12/19\(02\):1-8:74](#)
- Cedar Medal for Chivalry to Dr. Raja Iliya 1994. [Ph:AUB:1994/05\(04\):01:61](#).
- Dr. Charles Abou Chaar and Dr. Nicolas Ziadeh honoring lunch, 2003. [Ph:AUB:2003/10/14\(01\):1-15:76](#)
- Dr. Charles Abou Chaar and Dr. Nicolas Ziadeh honoring lunch, 2003. [Ph:AUB:2003/10/14\(01\):1-15:76](#)
- Great Scholar-Teachers Penrose Awards, 2000. [Ph:AUB:2000/06/28\(01\):1-8:69](#) , [Ph:AUB:2000/06/28\(02\):1-5:69](#)
- Reception held in honor of retiring AUB Professors, 1993. [Ph:AUB:1993/07/03:1-2:61](#)
- Honoring ceremony for Afif Iliya, 1982. [Ph:AUB:1982/04\(09\):1-2:56](#)
- Inauguration of Leila Iliya New Faculty Lounge, 2010. [Ph:AUB:2010/05/11\(01\):1-4:87](#)
- Port of Beirut Photographic Slides, 1994. [Ph:POB:1994](#)

Thesis (Raja Iliya as a Member of Committee)

- Issid, S.M. (1977). *Structural analysis of a cubical-tetrahedral array of uniform spheres*. [ET:3009](#)
- Bu- Ghanim, J. N. (1987). *An experimental investigation on the hydraulic fracturing of compacted clays*. [ET:3357:v.1](#), [ET:3357:v.2](#).

- Itani, M. J. (1987). *Analysis of mats on linear and non-linear elastic foundations by the finite element method.* [ET:3390](#)
- Alameh, A.S. (1988). *A new model for computing deflection of partially prestressed concrete beams under static and cyclic fatigue loading.* [ET:3416](#)
- Abbas, B.K. (1988). *Moment-rotation relationship of reinforced concrete beam-column joints under generalized excitations.* [ET:3402](#)
- Haidar, A.S. (1988). *Numerical application of shakedown theory in pavements.* [ET:3420](#)
- Marhamo, L.K. (1988). *Bearing capacity of cement treated layers over soft ground.* [ET:3421:v.1](#), [ET:3421:v.2](#)
- Marj, G.M. (1988). *Two-dimensional dynamic pore pressure response in saturated granular materials.* [ET:3418](#)
- El-Yousef, M.N. (1988). *Nonlinear structural analysis of plane frames under earthquake loading.* [ET:3419](#)
- Umari, M.H. (1988). *Moment-rotation response of partially prestressed concrete beam-column joints under cyclic excitations.* [ET:3417](#)
- Zeid, B.A. (1988). *Load deformation behavior of a compacted silty clay under different forms of loading.* [ET:3401](#)
- Saboundjian, S.K. (1989). *Behaviour of a compacted silty clay under triaxial and creep testing conditions.* [ET:3435](#)
- Hijazi, S.A. (1990). *Evaluation of the stress in unbonded prestressing steel at ultimate load in partially prestressed members.* [ET:3456](#)
- Kanj, M.Y. (1990). *Experimental study of the elastic and inelastic behavior of partially prestressed members.* [ET:3461](#)
- Jumah, G.K. (1992). *Effect of deformation properties on bond-slip characteristics of reinforcing bars.* [ET:3523](#)