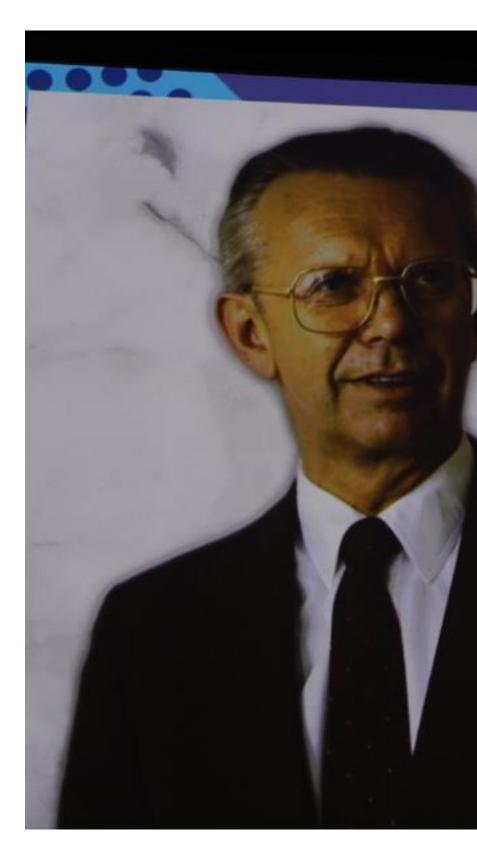
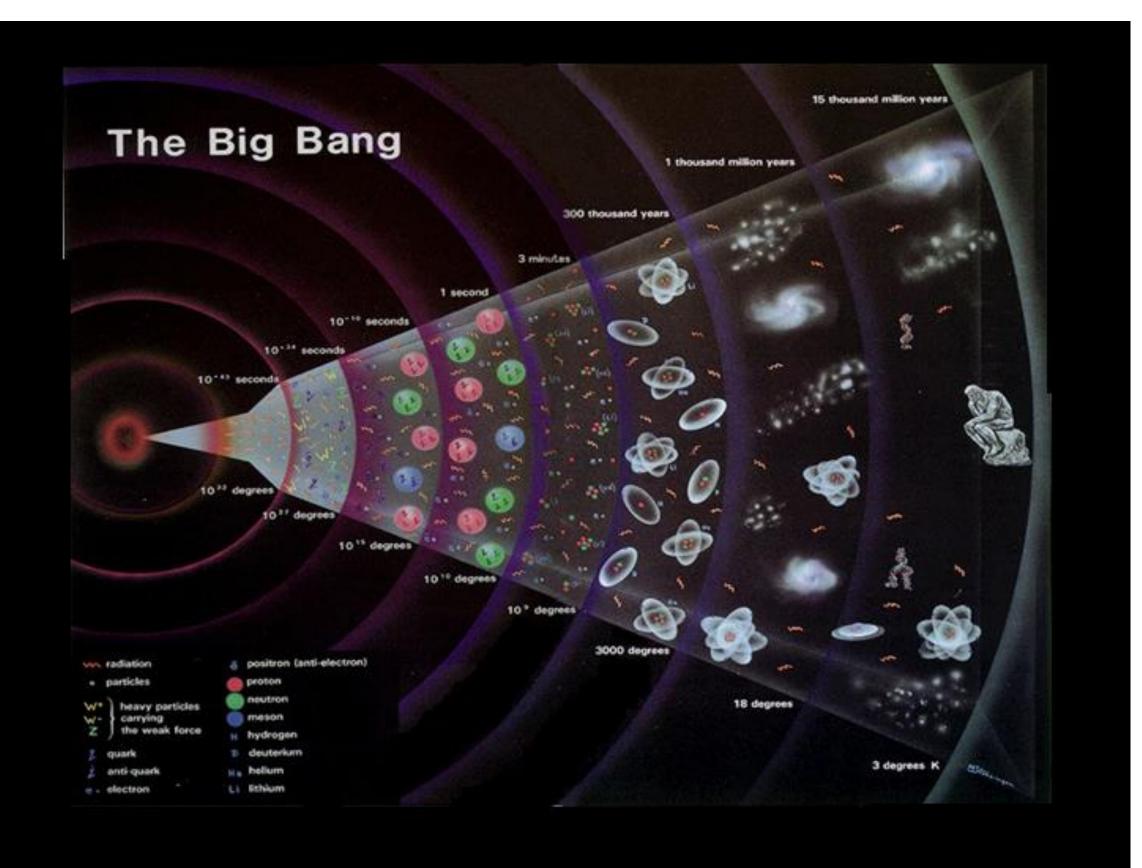
HERWIGFEST CERN 1ST OF MARCH 2024 (100 YEARS +2 DAYS)







HERWIGFEST CERN 1ST OF MARCH 2024 (100 YEARS +2 DAYS)





HUMANS CAN MAKE A DIFFERENCE

The future belongs to those who believe in the beauty of their dreams.

--ELEANOR ROOSEVELT

SUCH BEAUTIFUL DREAMS ARE RARE AND

ACTUALIZING THEM IS WHERE THE WORK IS.

• AS WE HEARD TODAY HERWIG HAS BOTH!



SESAME Members & Observers



Members: Cyprus, Egypt, Iran, Israel, Jordan, Pakistan, Palestine, Turkey.

Some Observers:

Brazil, Canada, China (People's Republic of), the European Union, France, Germany, Greece, Italy, Japan, Kuwait, Portugal, Russian Federation, Spain, Sweden, Switzerland, the United Kingdom, the United States of America.





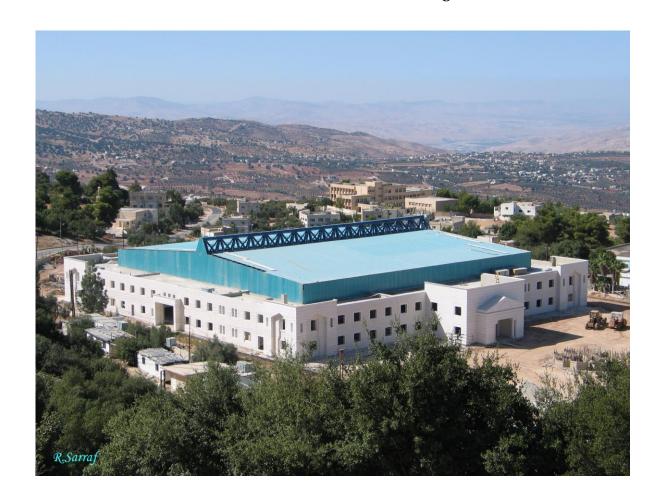










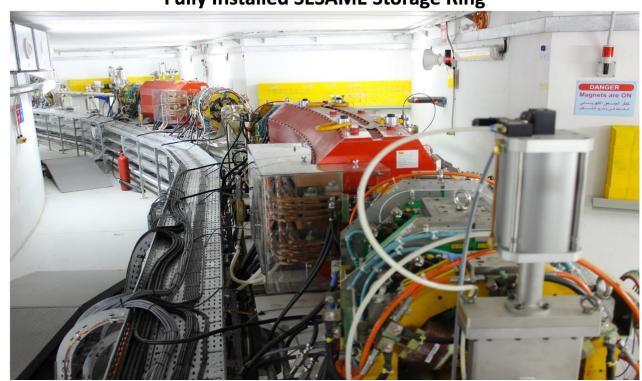


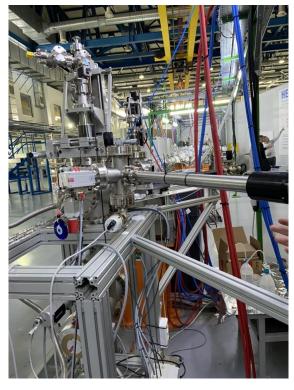
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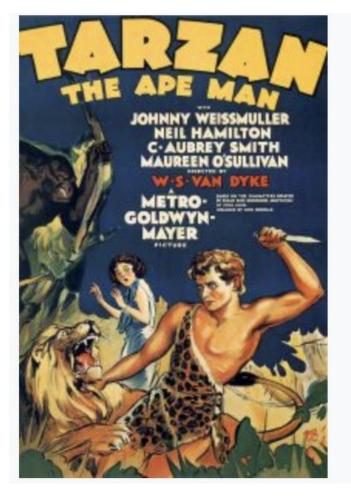
Fully Installed SESAME Storage Ring





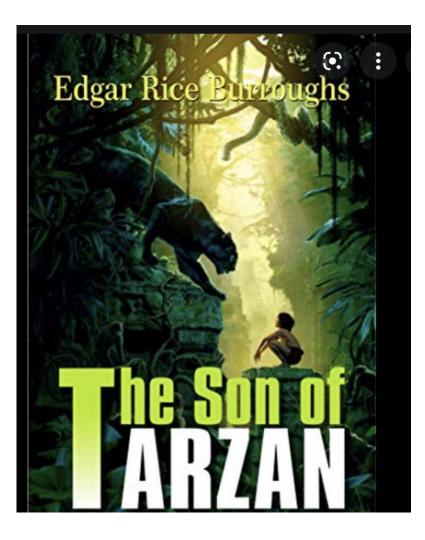


• CERN - SESAME : COMMON VISION.





WITH A BIG DIFFERENCE



DG OF CERN AS INTERNSHIP PRESIDENTS OF SESAME COUNCIL





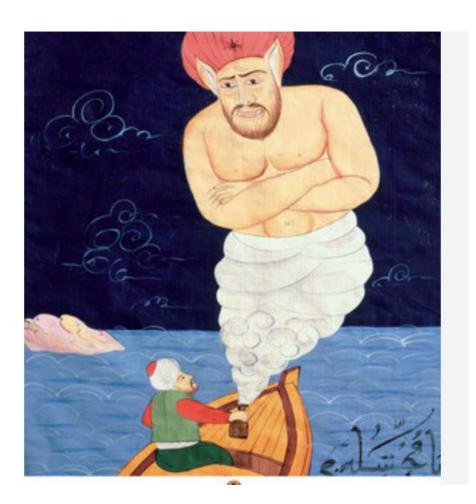
PHOTOS BEFORE.....



CREDIT: SUCCESS HAS MANY FATHERS, FAILURES ARE ORPHAN HISTORY TALES FROM THE MIDDLE EAST ONES



SESAME WAS FOUNDED BY MANY SOME OF THE NAMES ARE KNOWN



MOST WE MAY NEVER KNOW





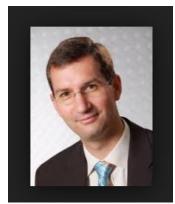
APRIL 11TH 2000 JORDAN







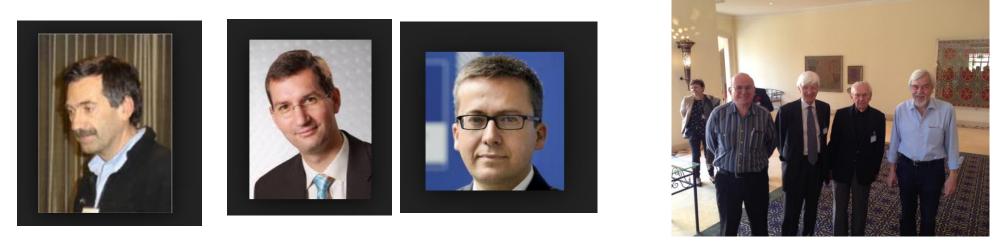














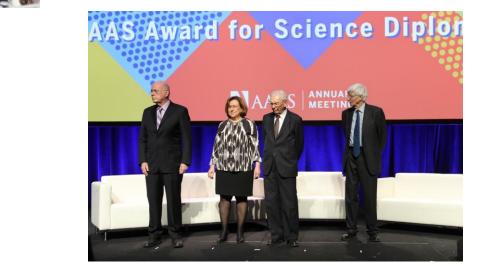




	First Meeting of the SESAME Council
	Le Royal Hotel, Amman, Jordan, 6 January 2003
	Provisional Agenda
1.5	statements by:
	Professor Walter Erdelen. Assistant Director-General for Natural Sciences.
1.5.0	 UNESCO Professor Burkart, Deputy Director-General, Department of Nuclear Sciences and Applications, International Atomic Energy Agency (IAEA)
2. 1	Declaration of entry into force of Statutes according to Article XII.5
Long M	Final approval of Statutes Nomination of UNESCO delegate (Article III.1(c) of the Statutes)
3. /	doption of Rules of Procedure
	oting procedures according to Articles 2.5 and 2.6
	(lections: a) President (Articles III.2 of the Statutes, and 2.8 of the Rules of Procedur
(1	Liter Descidents (Article 2.8 of the Rules of Procedure)
(4	
5. A	dvisory Bodies (Article 3.9 of the Rules of Procedure)
F	inal composition of Advisory Committees
6. P	rovisional Budget for 2003
7. E	stablishment of Finance Committee
8 N	ext steps
	ext steps Transition rules: accept UNESCO rules for employment New procedure for National Contributions and other conditions
•	Figureial and Staff Rules
:	Proposals to EC and IAEA
9. N	ext meeting
10. A	























XANES Study of Fuel Cell Catalysis at SESAME/ Dr. Brian Rosen (PI)

Fuel cells are devices which can convert chemical energy into electrical energy with the aid of 2 electrodes made from catalytic materials. Degradation of these catalytic materials negatively impacts the performance of the fuel cell and limits its lifetime. The Rosen group is developing new catalytic materials for fuel cells based off of transition metal carbides with enhanced stability and activity. X-ray adsorption techniques (XANES) at SESAME assist us to learning the electronic configuration of these new materials to reveal the origin of their improved performance. The amount of X-rays adsorbed by the platinum (Pt) placed on these new carbide catalysts can indicate how many electrons are present in the 5d Pt orbital, where electrons that participate in catalysis are found. Lower adsorption indicates the Pt 5d orbital is more full, and therefore fewer electrons can be excited by the X-rays to this state.

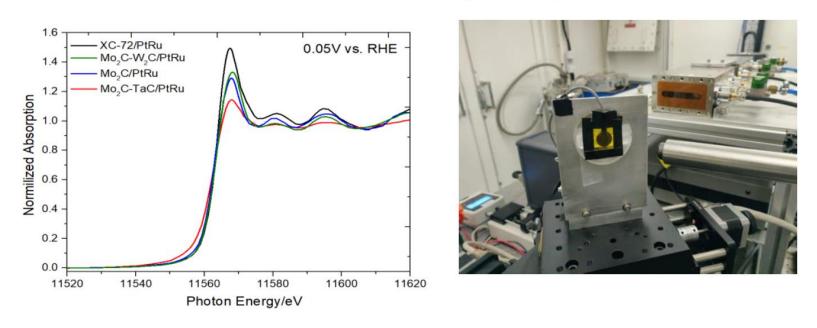


Figure 1: (left) Pt L_{III} XANES spectra as a function of support composition (right) Custom-built fuel cell rig for built for the experiment.

We found at SESEME that the occupancy of the Pt 5d orbital is largest in the tantalum carbide alloy and smallest in the tungsten alloy. Electrochemical tests show that the tantalum alloy far outperforms the tungsten or the unalloyed support. These tests suggest that the carbide can be modulated to donate electrons to the Pt nanoparticles thereby improving catalytic activity.

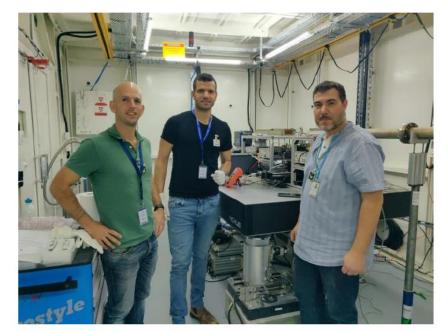
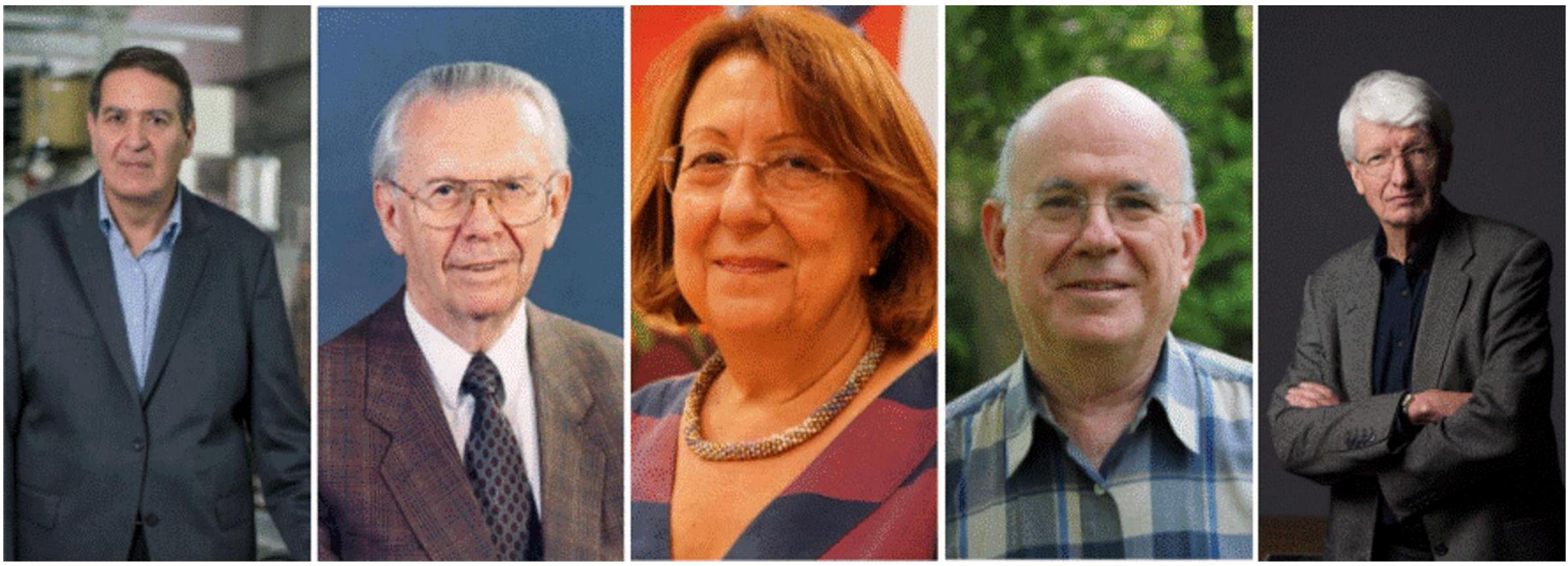


Figure 2: Rosen group members Itai Gerlitz (left) and Eliran Hamo (middle) with beamline scientist Messaoud Harfouche (right)



PERSONAL – A QUITE UNLIKELY BAND













בעיניהנ קהל־הח הרחבה לזה. בו מבחיל. המתרח התרחק לקולוח הקול לשמוע הקלעי נים ה תקעו על מי בנשק עתה י מעט מ



מצור וקרב בירושלים העתיקה 462

והמתמיה ביותר – תושב! הרי בתושבים, ובמיוחד בעדת־האשכנזים, ראינו אנשים בלתי אוהדים לנו.

מעשהו עשה רושם כה עז, עד כי גם הבחורים, שהיה בדעתם לנסות ולהסתנן לירושלים כתושבים, יצאו כמעט כולם מבין הקהל וצעדו קדימה – כשלושים וחמישה במספר. מוטקה פנקס סידרם בשלשות. בראות המפקד הערבי את מספר-הלוחמים הדל שעמד נגד צבאו נעלב קשות:

אלה כל החיילים ?" שאל. "שלושים והמישה איש הרגו למעלה ממאתיים מחיילינו ? אילו הייתי יודע על כך קודם, כי אז הייתי שולח בכם את אנשי מצוידים במקלות".

והוא הן יהיה עליו להציג את שבוייו לאורך כל הדרך — בכפרי ירושלים, ביריחו, בשונה, בא־סלט, בעמאן, בורקה ובמפרק, מה יציג? שלושים וחמישה איש? הן בוז יבוזו לו. לא כי! הנצחון חייב לעורר רושם כביר בעולם הערבי. הוא פקד על חייליו לקחת כל גבר שנראה בעיניהם. זקנים, חולים, נערים וילדים נלקחו. להערת משה רוסנק על כך — ענה עבדאללה תל כי ימיינו אותם אח״כ.

הגברים סודרו בשלשות והתקדמו תחת משמר. לפני שהוחל פינוי התושבים אל מחוץ לחומה נדרש מאתנו לשלוח אדם אל הכוחות היהודיים בהריציון וליצור קשר אתם. המ״כ ניסן זלדס, שנקבע לתפקיד זה, נקרא אל עבדאללה תל והבטיח לו ב,הן צדק״ שישוב. הוא יצא עם חוה קירשנבוים, כשהוא נושא דגל לבן, אל מחוץ לשער-ציון, והתקשר עם בחורי הפלמ״ח. למחרת בבוקר חזר ניסן וחוה קירשנבוים עמו, כפי שהבטיח, מתוך הרצון לשמור על כבודו של החייל היהודי.



Lessons On How to visit a Parallel Universe.



• AN UPPER BOUND EXPERIMENT.

 EACH SIDE BRINGS ITS SCARS AND ITS COMMON WILL. AN EXISTENCE THEOREM

• THE SCIENTISTS TOOK THEIR GOVERNMENTS TO A PLACE THEY NEVER TOUGHT TO BE IN AND REALIZING THAT THEY DID NOT BLINK, SO FAR.

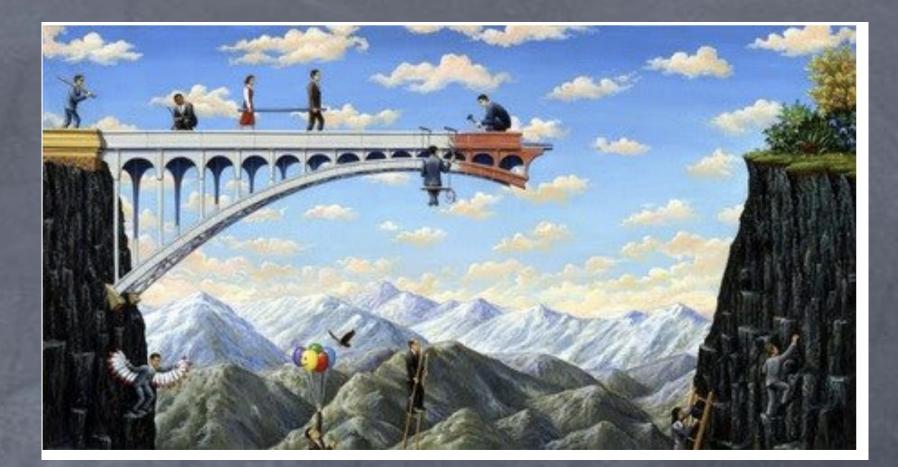


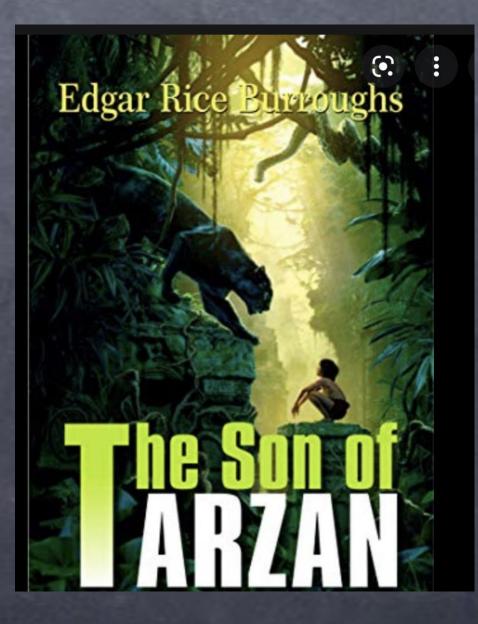
Lessons?













DEAR HERWIG MAY YOU LIVE IN GOOD HEALTH

TILL 120 YEARS

MAY A NOBEL PRIZE WORTHY DISCOVERY BE MADE AT SESAME (HAPPENED AT CERN..)

מזל טוב MAZAL TOV



