





# INTENTIONS:

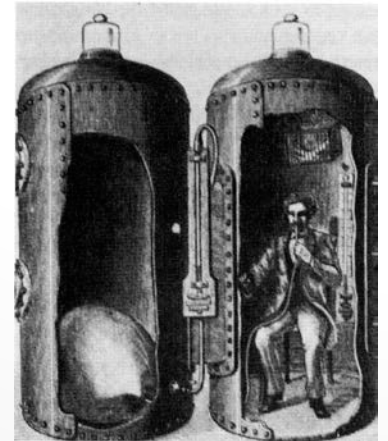
- bit of history of aeronautical and diving medicine
- aviation and diving medical societies
- europe and beyond
- disclosures

# HISTORY (EUROPEAN)

- Paul Bert 1875 „ La Pression Barométrique“, father of aviation and diving physiology
- Hypoxia research, counselling prior to altitude balloon ascents
- Decompression Sickness due to nitrogen offgassing,
- Oxygen use proposed



nihil novi sub sole....



# ALTITUDE / HYPOBARIC & DIVING / HYPERBARIC PHYSIOLOGY

- Not only the common factor, but also common problems
- Hypoxia on elevated diving sites or on rebreathers
- Decompression procedures sea level / altitude
- Saturation diving
- Altitude tables

**RIGHT NOW,  
I'D RATHER  
BE  
ALTITUDE  
DIVING**



Tabelle 32 (Fortsetzung) B. 701-2500 m u. NN. Aufstieg zur Höhe 60 min oder länger

Tiefe [m]	Grund- zeit [min]	Aufstieg zum 1. Halt [min]	Haltezeiten [m] [min]				Gesamtauf- stiegszeit [min]	Repe- titiv- gruppe			
			12	9	6	4			2		
9	238	1					1	2	G		
12	99	1					1	2	G		
	110	1					4	5	G		
	120	1					8	9	G		
15	62	2					1	3	F		
	70	2					4	6	G		
	80	2					10	12	G		
	90	2					15	17	G		
18	40	2					1	3	F		
	50	2					4	6	F		
	60	2					11	13	G		
	70	2					19	21	G		
	80	2					4	23	H		
	90	2					8	25	H		
21	29	2					1	3	E		
	35	2					2	4	F		
	40	2					5	7	F		
	45	2					9	11	G		
	50	2					1	13	G		
	55	2					3	17	G		
	60	2					5	20	G		
	65	2					8	22	G		
24	70	2					11	23	G		
	22	2					1	3	F		
	30	2					3	5	F		
	35	2					7	9	F		
	40	2					2	11	G		
	45	2					4	16	G		
27	50	2					7	19	G		
	55	2					1	10	21	34	G
	18	3					1	4	D		
	20	3					2	5	E		
30	25	3					4	7	F		
	30	3					2	7	12	F	
	35	3					4	11	18	G	
	40	2					1	6	16	25	G
	45	2					2	9	20	33	G

# BAROMEDICAL SOCIETIES (US)

- Aero Medical Association, established 1928 by a group of aviation medical examiners. Name changed later to [Aerospace Medical Association AsMA](#)
- Association Journal, now „Aerospace Medicine and Human Performance“ for decades the most prestigious monthly journal also for diving medicine publications
- Undersea Medical Society. Founded 1967 by diving physiologists, now [Undersea & Hyperbaric Medical Society UHMS](#). Publishing bi-monthly „UHM Journal“
- *but, why to talk about US?*

# BAROMEDICAL SOCIETIES (EU)

- *maybe for 3 reasons:*
- **European Baromedical Society EUBS**, founded 1971, expressed in its original text from the first meeting the hope to be affiliated some day with the U(H)MS. But it publishes now a joint journal "**Diving and Hyperbaric Medicine**" together with **SPUMS**
- **Swiss Underwater- and Hyperbaric Medical Society**, established 1985 under the triple name in three national languages as SGUHM, SSMSH, SSMSI, let inspire itself by the US and added an English abbreviation to its names, **SUHMS**
- *but we have no journal yet....*

# BAROMEDICAL SOCIETIES (EU)

- *third reason , private, allowing me to speak at this Symposium:  
Prof. A. A. Bühlmann was one of my sponsors for Membership in the UHMS  
and almost my doctoral thesis supervisor*
- The **EUBS Annual Scientific Meeting** mostly in September, this year in Tel Aviv, 9-12. 9.
- **Executive Committee of the Society** has 10 members, including 3 Members at Large (for the moment only one Swiss resident) plus the Liaison Officer, European editor of the **DHM** and the Webmaster
- **please meet the Immediate Past President**





# PROFESSOR JACEK KOT MD, PHD

- National Center for Hyperbaric Medicine, Medical University of Gdansk
- 2000-2005 Management Committee of the COST-B14 project "Hyperbaric Oxygen Therapy"
- 2008-present Member of the European Diving Technology Committee (EDTC)
- 2015-2018 President of the EUBS
- Specialist in Anaesthesiology, Intensive Care



# NATIONAL CENTRE FOR HYPERBARIC MEDICINE / GDANSK



# DISCLOSURES

- Commercial:
  - none
- Affiliations:
  - UHMS, SPUMS, EUBS (ex. Excom), SUHMS (ex. Excom)
  - SGAR (HBOT Workgroup)
  - AsMA, SSAVmed



- Jacek, please.....



