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E. Internationales Symposium über den Durst

Samstag/Sonntag, 20./21. Oktober 1973
organisiert durch Georges Peters, Lausanne, für die Union Schweizerischer Gesellschaften für Experimentelle Biologie (Präsident: B. Jeanrenaud, Genf) unter dem Patronat der Internationalen Kommission «Regulation of Food and Water Intake» der Internationalen Union der Physiologischen Wissenschaften (Präsident: J. Le Magnen, Paris; Sekretär: A. Epstein, Philadelphia).

Erscheint als Buch: Control Mechanisms of Drinking. Springer-Verlag, Heidelberg, 1974.

Symposium sur la soif

samedi/dimanche 20/21 octobre 1973
organisé par Georges Peters, Lausanne, pour l'Union Suisse des Sociétés de Biologie Expérimentale (président: B. Jeanrenaud, Genève) sous les auspices de la Commission «Réglage de l'ingestion d'aliments et d'eau» de l'Union Internationale des Sciences Physiologiques (président: J. Le Magnen, Paris; secrétaire: A. Epstein, Philadelphie).

Les comptes-rendus seront publiées comme livre: Control Mechanisms of Drinking. Springer-Verlag, Heidelberg, 1974.

Simposio sulla sete

sabato/domenica, 20/21 ottobre 1973
organizzato da Georges Peters, Losanna, per l'Union Suisse des Sociétés de Biologie Expérimentale (presidente: B. Jeanrenaud, Ginevra) e patrocinato dall'International Commission «Regulation of Food and Water Intake» of the International Union of the Physiological Sciences (presidente: J. Le Magnen, Parigi; segretario: A. Epstein, Filadelfia).

I resoconti saranno pubblicati come libro: Control Mechanisms of Drinking. Springer-Verlag, Heidelberg, 1974.

Symposium on thirst

Saturday/Sunday, 20th/21st October 1973
organized by Georges Peters, Lausanne, for the Union des Sociétés Suisses de Biologie Expérimentale (Chairman: B. Jeanrenaud, Geneva),

under the auspices of the International Commission "Regulation of Food and Water Intake" of the International Union of the Physiological Sciences (Chairman: J. Le Magnen, Paris; Secretary: A. Epstein, Philadelphia).

The proceedings will be published in book form: Control Mechanisms of Drinking. Springer-Verlag, Heidelberg, 1974.

Saturday, October 20, 1973

G. Peters (Lausanne, Switzerland): General introduction

1. Hypovolic (extracellular) and osmotic (intracellular) thirst

(IL) J.T. Fitzsimons (Cambridge, UK): Introduction to the subject
(IL) S. Kozlowski (Warsaw, Poland) and E. Szczepanska-Sadowska (Warsaw, Poland): Mechanisms of hypovolic thirst and interactions between hypovolia, hyperosmolarity and the antidiuretic system

2. Oropharyngynal and gastric influences

(IL) J. Weijnen (Tilburg (The Netherlands): Lingual stimulation and water intake
(IL) S. Nicolaidis and N. Rowland (Paris, France): Effects of continuous intragastric and intravenous water and saline infusions on drinking in rats
(FC) Doris Haack, E. Homsy, Gerda Kohrs, Bärbel Möhring, P. Oster and J. Möhring (Heidelberg, FRG): Studies on drinking-feeding interactions in rats with hereditary diabetes insipidus

3. Comparative aspects of the regulation of water and salt intake

(IL) Susan Kaufman (Cambridge, UK): Comparative aspects of the regulation of water intake: Cellular dehydration as a stimulus to drinking in the iguana

4. Endocrinological aspects of water and salt intake

(IL) A.N. Epstein (Philadelphia, Pa., USA): Augiotensin as a dipsogen on salt intake

5. Cerebral mechanisms of thirst

(IL) E.M. Stricker (Pittsburgh, Pa., USA): The contribution of brain catecholamines to thirst and sodium appetite
(IL) Paulette Setler (Philadelphia, Pa., USA): Adrenergic mechanisms of thirst
(IL) J.T. Fitzsimons (Cambridge, UK): The renin-angiotensin system

Sunday, October 21, 1973

(IL) A.E. Fisher (Pittsburgh, Pa., USA): Central mediation of water and sodium intake
(IL) Barbara J. Rolls and D.J. Ramsay (Oxford, UK): The renin-angiotensin system and thirst in the dog
(FC) M.D. Day and M.J. Cooling (Birmingham, UK): Angiotensin-induced drinking in the cat
(IL) Ruth Burckhardt, Lise Peters-Haefeli and G. Peters (Lausanne, Switzerland): The mechanism of thirst-induction by intrahypothalamic renin
(FC) A.K. Johnson (Iowa City, Iowa, USA): The role of the cerebral ventricular system in angiotensin-induced thirst
(FC) G.J. Mogenson, S. Black and J. Kucharczyk (London, Ontario, Canada): Neural structures involved in processing neural signals initiated by the application of angiotensin II to the preoptic region
(FC) D. Lehr, M.W. Goldman and P. Casner (Valhalla, N.Y., USA): Evidence against the postulated role of the renin-angiotensin system in putative renin dependent drinking responses
(IL) J.J. Morton, J.J. Brown, R.H. Chinn, A.F. Lever, J.I.S. Robertson (Glasgow, UK): A radioimmunoassay for plasma antidiuretic hormone and its application in a case of hypopituitarism associated with a loss of thirst
(IL) J. Möhring (Heidelberg, FRG): Thirst and salt appetite in experimental renal hypertension of rats
(FC) F. Leenen, E.M. Stricker (Utrecht, The Netherlands): Time-relationship between increase in plasma renin activity and drinking following different types of dipsogenic stimuli

6. Conditioning of thirst and salt appetite

(IL) J.P. Huston (Zürich, Switzerland): Classical conditioning of consumatory responses
(IL) R.S. Weisinger (Melbourne, Australia): Conditioning and pseudo-conditioning of drinking and salt intake responses

7. Influence of drugs on thirst

(IL) D. Meyer (Vienna, Austria): Drugs acting on the sympathetic nervous system
(IL) J.L. Slangen (Utrecht, The Netherlands): Influence of drugs on behavior and water intake of water deprived rats
(FC) Sue Alder and G. Zbinden (Zürich, Switzerland): Increased drinking in rats after isoniazid withdrawal
(IL) A.N. Epstein (Philadelphia, Pa., USA): Concluding remarks

(IL) = invited lecturer, (FC) = free communication