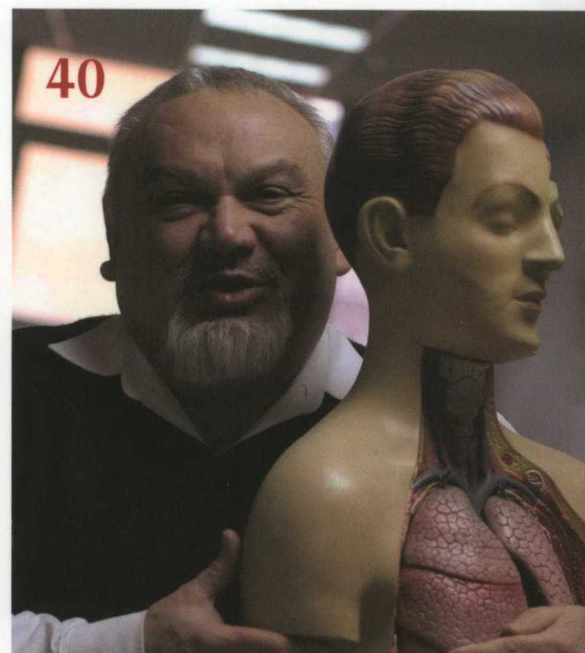
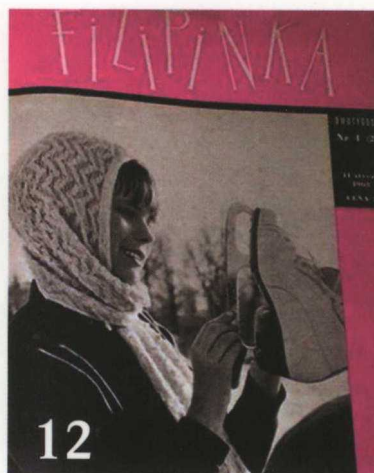


# ACADEMIA

No. 3 (31) 2011

The Magazine of the Polish Academy of Sciences



## Focus on

### The Ancient Aurochs

Ryszard Słomski

Using DNA samples from museum exhibits, Polish scientists want to restore the extinct aurochs

## Focus on

### Confession Magazines

Katarzyna Stańczak-Wiślicz

The "real-life stories" convention enables press articles to violate the prevailing norms of public discourse

## Briefly Speaking

### I've Churned My Lump of Butter

Ryszard Tadeusiewicz

The human brain is very complex, whereas what goes on in an artificial neural network is easier to grasp

## Editorial ..... 3

## Focus on

### Biotechnology ..... 4

The Ancient Aurochs, Ryszard Słomski

### Molecular Biology ..... 8

Microinformation, Witold Filipowicz

### Literature ..... 12

Confession Magazines, Katarzyna Stańczak-Wiślicz

### Science studies ..... 16

Pitfalls of Bibliometrics, Karol Życzkowski, Agnieszka Pollo

### Geotourism ..... 20

Guidance for Geotourism, Magdalena Sidorczuk, Monika Krzeczynska

### Internet ..... 24

An Ocean of Information, Dominik Batorski

### Physiology ..... 27

Total Eclipse of the Heart, Paweł Dobrzyń

## Research in Progress

### Analytical Genetics ..... 30

Finding the Astronomer, Wiesław Bogdanowicz, Patrycja Dolowy

### Political Science ..... 33

Hitting the Bull's-Eye, Radosław Markowski

## History of Genetics ..... 36

Beginning of an Era, Jan Barciszewski, Volker A. Erdmann

## Psychology ..... 38

Childhood Space, Anna Izabela Brzezińska, Elżbieta Hornowska

## Briefly Speaking

### I've Churned My Lump of Butter ..... 40

Ryszard Tadeusiewicz

## Highlight ..... 44

## Insight

### Free Science ..... 46

Patrycja Dolowy

### Materials of the Future ..... 48

Academia MAGAZINE

## Short Circuit

### DNA and the Maiden ..... 50

Patrycja Dolowy

## Gallery ..... 51

Cover photo by: BE&W, Gallery: SpringerImages.

Page 2 photos by: Wikipedia Commons, private archives, Tomasz Żurek/Reporter