

Fields and Methods of Investigation

– Microbiological / Chemical Analysis:

Analysis of chemical and microbial content of water.

– Drop picture method (fluid-dynamics):

Investigations of water mobility.

This research tool captures pictorially the ability of water to flow differentiated and diversified, with reference to pure spring water as the archetypal, natural, healthy and invigorating example of water. Chemical ingredients cannot be identified with this tool.

– Algae analysis:

Effects of water quality on the life of simple organisms using algae cultures.

This standard research method has been used for quite some time inter alia in toxicology and in the potable water industry. Our extension of its use allows for the investigation of how water quality changes microscopically small algae's metabolism, reproduction and shape formation.

– Extended sensory analysis:

Investigations of the immediate effect of water on people.

Here, trained observers examine water samples with an intensified attention in order to arrive at impressions about the direct effect of water on the human being.

The Institute

The Institute operates as a private, independent and non-profit voluntary organisation. Currently six co-workers work at the institute. This includes full and part-time employees, as well as voluntary staff.

◀ *WATER QUALITY, visualized with the drop picture method*
From above:

- *Good quality well-structured flowing spring water*
- *Medium quality, less-structured flowing tap water*
- *Detergent contaminated unstructured flowing water*

Colleagues of the Institute:

Michael Jacobi: fluid physics;

Prof. Dr. Christian Liess: fluid physics, technical applications; Dr. Manfred Schleyer: biology, chemistry, didactics; Martha Schmalzried: office, secretary; Christine Sutter: constellation research, extended sensory analysis; Andreas Wilkens: basic research; Eva Wohlleben: experimentation, drop picture method, projective geometry

Institute Director: Dr. Manfred Schleyer

The Institute is supported by the Verein für Bewegungsforschung e. V., which is recognized as a charity by the Waldshut / Bad Säckingen tax office. Donations to the Association and the Institute are tax deductible.

We welcome your support!

We finance our work primarily from member contributions, through donations and, to a lesser extent, through project grants and contracts. For future projects we are in need of additional funding.

Become a member!

Promote our work with donations, gifts and bequests. To learn more about our work, please visit:

www.stroemungsinstitut.de

Verein für Bewegungsforschung e.V.

Institute of Flow Sciences

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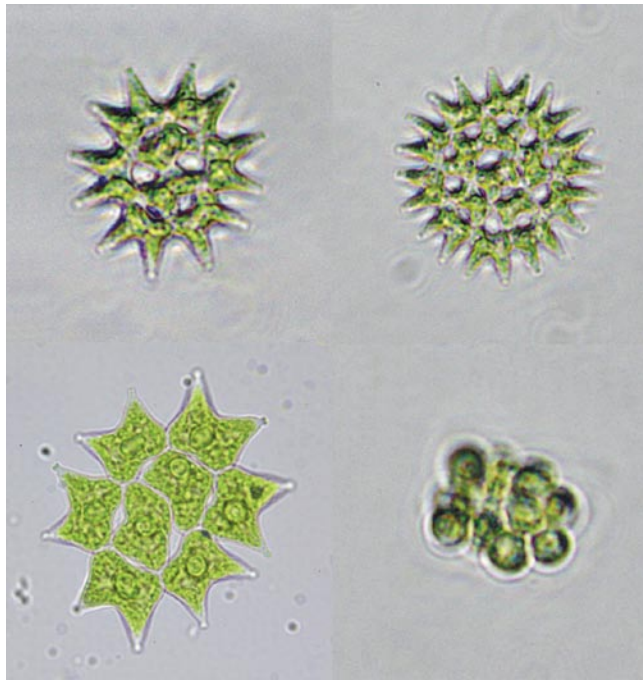
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Good drinking water is a basic need

Pure, natural water supports the healthy development of humans and nature. Yet springs and ground water resources are being destroyed daily by human activity. This loss is irreplaceable. In the long term, every local intervention affects the whole water organism of the earth.

Future solutions require a conscious responsible relationship to water resources – for maintaining and protecting water quality.

The Institute of Flow Sciences seeks to achieve a deeper appreciation and understanding of water – its special qualities, connection to life and importance for mankind.



Algae growth and water quality
above: in untreated spring water
below: grown in contaminated drinking water

Our Impulse

Our impulse is based on the work of Theodor Schwenk, who founded the Institute in 1960 and led it until 1975. He demonstrated that in the flow of fluids, especially in water currents, organic, formative principles are expressed. He presented this in his book 'Sensitive Chaos'. The Institute continues this approach, aiming for a positive characterization of water, not only hygienically but also in respect to its positive health promoting properties. The Institute wants to contribute to a comprehension of this essential element's finer qualities and a cultivation of public awareness. It also wants to encourage appropriate solutions for practical problems. Our research is extended by an anthroposophic approach.

Our Activity

The work of the Institute is divided into three areas:

Research:

- Understanding the formative forces of water,
- Positive characterisation of good drinking water based on a comprehensive concept of quality,
- Research on the interplay between earthly and cosmic laws in water as an expression of active life forces,
- Examination of the relationship of flowing forms with the movement and developmental forms of living creatures,
- Researching water quality modifications due to material influences, water management measures, both physical and technical, in agriculture, households, pharmaceuticals and other fields,
- Investigation of drinking and healing waters with regard to their effects on people,
- Exploring new approaches to protect water quality.



Teaching and public relations:

- Development of educational experiments for demonstrating the special properties of water,
- Publications on issues of water quality,
- Guided tours, educational courses and workshops with experiments for experiencing water, its formative forces, its relation to living organisms and its responsible use.

Water samples analysis:

On the behalf of private individuals, companies and communities, we investigate various water samples for their chemical and hygienic qualities and flow dynamics – such as their effects on algae and people. If you are interested, ask for our test conditions.

◀ Left:
A rising flow-pulse in the water forms a uniform ring-vortex that differentiates and transforms through a manifold of beautiful flowing formations as it migrates to the water's surface



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- List of printed materials
- Experimental conditions
- Dates of Institute tours