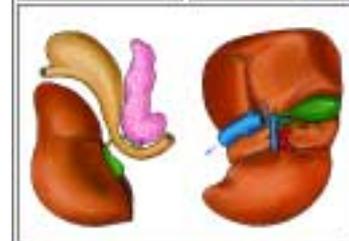
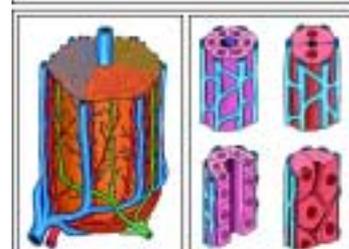
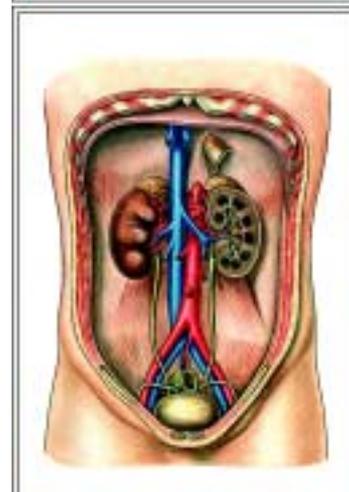
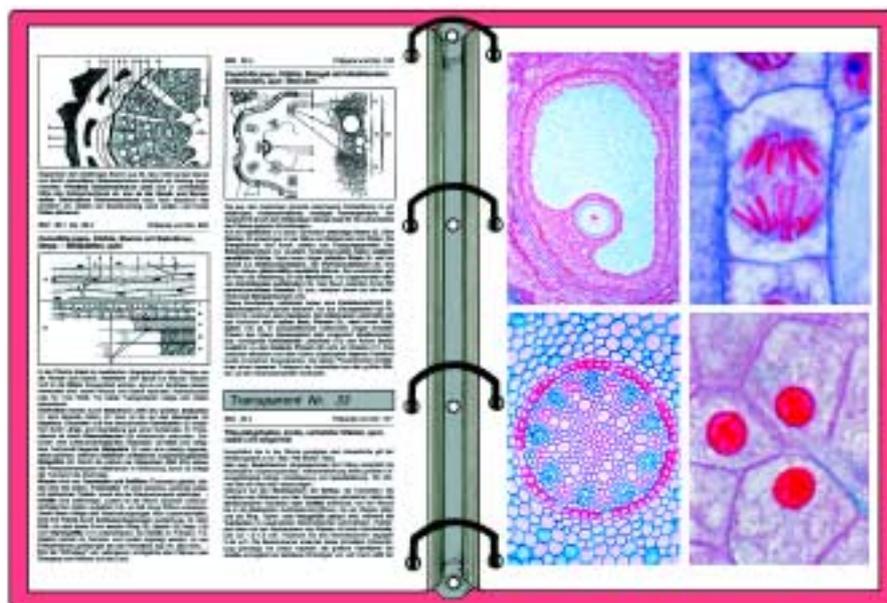




OVERHEAD TRANSPARENCY ATLASES



Color Overhead Transparencies as modern visual aids become more and more part of biology, physics and chemistry teaching programs. Therefore we have created a new and comprehensive range of LIEDER Transparency Atlases of outstanding quality.

The atlases consist of large-format transparency sheets (size 22 x 28 cm) comprising a great variety of beautiful drawings, diagrams, tables, anatomical pictures, brilliant micro- and macro-photographs, electron and X-ray photographs, impressive life cycles, human photographs, landscape photographs, scenes, test data and results, etc.

- Each Transparency atlas is accompanied by a comprehensive interpretation text giving a detailed description of all pictures, based on the latest scientific findings
- Our multi-colored transparencies are printed by a special process and excel by reason of their high projection quality.
- Transparencies and texts are held in a strong plastic file with ring mechanism.
- These transparency atlases hence shall inspire, but also offer the substantial and necessary help to realise an instruction characterized by a higher degree of clarity due to its illustrative material..

PROGRAM OF OVERHEAD TRANSPARENCIES

NEW!

8201E Anatomy and Physiology of the Human Body. Volume I. The skeleton - The muscular system - The respiratory system - The circulatory system - Digestive system. - Urinary organs. Atlas 36 Overhead-Transparencies, size 22 x 28 cm, comprising 110 color pictures, mostly with several component figures. Sketch and work-sheets with semidiagrammatic designs and texts. Manual with depicted explanatory comments for the teacher. All in strong plastic file with ring-mechanism **NEW**

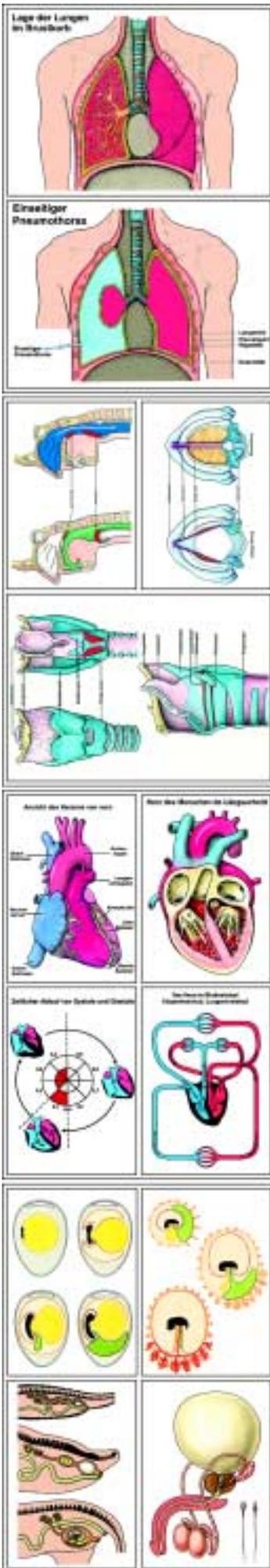
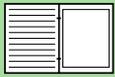
NEW!

8202E Anatomy and Physiology of the Human Body. Volume II. Reproduction, sex education and genetics - The nervous tissue - The human spinal cord - The human brain and the transmission of information - The autonomic nervous system - Atlas 36 Overhead-Transparencies, size 22 x 28 cm, comprising 110 color pictures, mostly with several component figures. Sketch and work-sheets with semidiagrammatic designs and texts. Manual with depicted explanatory comments for the teacher. All in strong plastic file with ring-mechanism **NEW**

NEW!

8203E Anatomy and Physiology of the Human Body. Volume III. Eye and vision - Ear and auditory mechanism, sense of equilibrium - Sensory perception: Smell, taste, touch, perception of temperature and movement Hormones and hormone systems - Atlas of 27 Overhead-Transparencies, size 22 x 28 cm, comprising 75 color pictures, mostly with several component figures. Sketch and work-sheets with semidiagrammatic designs and texts. Manual with depicted explanatory comments for the teacher. All in strong plastic file with ring-mechanism **NEW**

8211E The Human Apparatus of Movement. Connective and supporting tissues. The human skeleton and its parts. The human muscular system. - Atlas of 30 OHP Transparencies size 22 x 28 cm, comprising 66 colour pictures, mostly with several component figures (drawings, diagrams, anatomical pictures, photomicrographs and



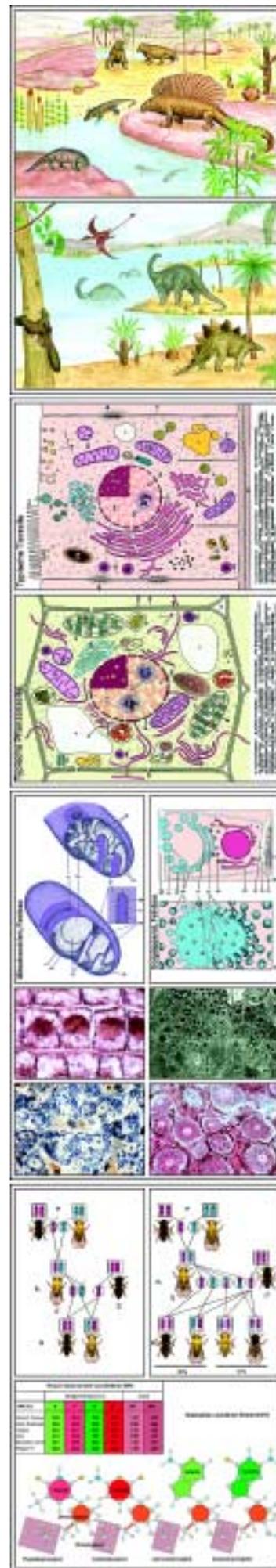
- 8212E **The Human Organs of Digestion.** Digestive and excretory systems. Structure and function of human mouth, pharynx, stomach, intestine, liver and pancreas, kidney and urinary organs. The metabolism. – Atlas of 30 OHP Transparencies size 22 x 28 cm, comprising 88 colour pictures, mostly with several component figures (drawings, diagrams, anatomical pictures, photomicro- and macrographs). With comprehensive interpretation text. In strong plastic file with ring-mechanism. - Compilation and text: Prof. Walter Mergenthaler
- 8213E **The Human Respiratory and Circulatory Systems.** Nose, trachea, lungs, heart, blood and blood vessels, lymphatic system. Respiration, circulation, blood pressure, blood groups. The immune system. – Atlas of 42 OHP Transparencies size 22 x 28 cm, comprising approx. 110 colour pictures, mostly with several component figures (drawings, diagrams, tables, graphs, anatomical pictures, photomicrographs and macrographs, human photographs, electron micrographs, X-ray photographs). With comprehensive interpretation text. In strong plastic file with ring-mechanism. - Compilation and text: OStR Michael Duenckmann
- 8217E **Reproduction and Germ Development of Human and Animals.** Atlas valuable for teaching sex instruction. Reproductive systems. Human sexual organs, egg and sperm development, growth of fetus, birth. – Atlas of 30 OHP Transparencies size 22 x 28 cm, comprising 104 colour pictures, mostly with several component figures (drawings, diagrams, tables, anatomical pictures, photomicrographs and macrographs, human photographs). With comprehensive interpretation text. In strong plastic file with ring-mechanism. — Compilation and text: Prof. Walter Mergenthaler and Dipl. Biol. Christine Himmelein
- 8214E **Nervous System Part I.** The nervous cells and tissues. Introduction to the total complex of the nervous system. The nervous systems of the invertebrates The nervous system of the vertebrates – Atlas of 30 OHP Transparencies size 22 x 28 cm, comprising 76 colour pictures, mostly with several component figures (drawings, diagrams, tables, graphs, anatomical pictures, photomicro- and macrographs, electron micrographs). With comprehensive interpretation text. In strong plastic file with ring-mechanism. . - Compilation and text: Dr. K.-H. Meyer, BS
- 8215E **Nervous System Part II.** The human spinal cord. The human brain as a control organ. Reception, conduction and transmission of information. The autonomic nervous system. – Atlas of 36 OHP Transparencies size 22 x 28 cm, comprising 82 colour pictures, mostly with several component figures (drawings, diagrams, tables, graphs, anatomical pictures, photomicro- and macrographs, electron micrographs). With comprehensive interpretation text. In strong plastic file with ring-mechanism. . - Compilation and text: Dr. K.-H. Meyer, BS
- 8218E **Hormones and Hormone Systems Part I and II.** The function and interaction of hormones. Thyroxin, adrenalin, and insulin. Sexual hormones and hypophysis. Releasing and gonadotrope hormones, feedback control, gene activity and protein synthesis, neurosecretion, second messenger and cascade mechanism, inhibiting and stimulating factors, anabolica, hormonal contraception. – Atlas of 42 OHP Transparencies size 22 x 28 cm, comprising 116 colour pictures, mostly with several component figures (drawings, diagrams, tables, anatomical pictures, photomicrographs and macrographs, portraits, human photographs, test results). With comprehensive interpretation text. In strong plastic file with ring-mechanism. - Compilation and text: Prof. Walter Mergenthaler and Dr. Karl-Heinrich Meyer, BS
- 8216E **The Organs of Sense.** Eye and vision. Ear and hearing. Ssense of equilibrium. Senses of smell, taste, touch, temperature and proprioception. – Atlas of 36 OHP Transparencies size 22 x 28 cm, comprising 90 colour pictures, mostly with several component figures (drawings, diagrams, tables, graphs, anatomical pictures, photomicrographs and macrographs, electron micrographs, human photographs). With comprehensive interpretation text. In strong plastic file with ring-mechanism. - Compilation and text: Dr. Bernd Zucht
- 8220E **Cytology and Molecular Genetics.** Cell nuclei, chromosomes, genes, crossover, self-replication, germ-line. DNA as a carrier of hereditary information. Structure and replication of DNA and RNA. Genetic code and mutation. Synthesis, structure and function of proteins. The double helix. – With comprehensive interpretation text. In strong plastic file with ring-mechanism. Atlas of 46 transparencies with 172 pictures
- 8224E **Mitosis and Meiosis in Animals and Plants.** Outstanding colour photomicrographs of cell division, reduction division, fertilization, and cleavage. Typical Cell Division in the Root Tip of the Hyacinth. Development of the Microspore Mother Cells of Lilium (Anthers). Development of the Megaspore Mother Cells of Lilium (Embryosac). Development of the Female Gametophyte of Pinus. – Atlas of 24 OHP Transparencies size 22 x 28 cm, comprising over 95 colour pictures. Specially selected and beautiful multicoloured photomicrographs are presented on this atlas. With comprehensive interpretation text. In strong plastic file with ring-mechanism.

NEW!

NEW!



- 8248E Cytology and Genetics. Short version.** – Animal Cells and Genetics. Plant Cells and Genetics. – Atlas of 10 Overhead-Transparencies size 22 x 28 cm, comprising 67 pictures (anatomical pictures, photomicro- and macrographs, nature photographs, electron micrographs, drawings, diagrams, tables, scenes, test data and results). With comprehensive interpretation text. In strong plastic file with ring-mechanism. - Compilation and text: Dr. Dieter Gerlach and Johannes Lieder.. **NEW**
- 8222E Transmission Electron Micrographs.** Cells and tissues of man, animals and plants. Greatly enlarged electron micrographs (50000 up to 100000 x) show the ultra-structures of the cell organelles. Pictures of lower magnification (5000 up to 30000 x) give an impression of the microstructure of the tissues and organs. With comprehensive interpretation text. In strong plastic file with ring-mechanism. – Atlas of 24 transparencies with 120 pictures
- 8225E Mendelian Inheritance and Variability. The Mendelian Laws. Variability Part I: The Modifications. Variability Part II: The Mutations.** Types of crossings, modifications and mutations in plants and animals, adaptation, genotype and phenotype. – Atlas of 30 OHP Transparencies size 22 x 28 cm, comprising 95 colour pictures, mostly with several component figures (drawings, diagrams, anatomical pictures, photomicro- and macrographs, nature photographs, life cycles, scenes of landscape, fossils, test data and results). With comprehensive interpretation text. In strong plastic file with ring-mechanism. - Compilation: Prof. Walter Mergenthaler and OStR Heribert Schmid
- 8226E Human Genetics Part I.** Basic knowledge of formal genetics, modes of inheritance, chromosomal aberrations, cytogenetics, tumorgenetics, examples of medical genetics. - Recent new developments in all fields of human genetics made a completely revised edition of this subject necessary. The two volums of colour transparencies covering human genetics incorporate the latest developments in research. The new brilliant visual material is highly informative. The detailed explanatory texts fulfil the didactic requirements of modern teaching. – Atlas of 30 OHP Transparencies size 22 x 28 cm, comprising 88 colour pictures, some with several component figures (drawings, diagrams, tables, graphs, anatomical pictures, photomicro- and macrographs, electron micrographs, clinical appearance of patients, pedigrees, karyotypes). In strong plastic file with ring-mechanism. Compilation and text: Prof. Dr. med. Klaus Zerres (Institut für Humangenetik, Universität Bonn) and Prof. Dr. med. Tiemo Grimm (Institut für Humangenetik, Universität Würzburg), Dr. rer. nat. Ulrike Gamerding, Dipl.-Biol. Katja Weiske and Prof. Dr. Gesa Schwanitz (Institut für Humangenetik, Universität Bonn).
- 8227E Human Genetics Part II.** Molecular genetics, statistic genetics, population genetics, mutations, blood groups. Genetic counselling and prenatal diagnosis, teratogenous injury of the fetus, estimated risk, behaviour genetics, twin research. – Recent new developments in all fields of human genetics made a completely revised edition of this subject necessary. The two volums of colour transparencies covering human genetics incorporate the latest developments in research. The new brilliant visual material is highly informative. The detailed explanatory texts fulfil the didactic requirements of modern teaching. - Atlas of 36 OHP Transparencies size 22 x 28 cm, comprising 116 colour pictures, some with several component figures (drawings, diagrams, tables, graphs, anatomical pictures, photomicro- and macrographs, electron micrographs, clinical appearance of patients, pedigrees, karyotypes). Compilation and text: Prof. Dr. med. K. Zerres (Institut für Humangenetik, Universität Bonn) and Prof. Dr. med. T. Grimm (Institut für Humangenetik, Universität Würzburg)
- 8228E Origin and Evolution of Life Part I. Comprehensive edition.** Stellar, chemical and organic evolution. Formation of procaryonts. – Atlas of 24 OHP Transparencies size 22 x 28 cm, containing 60 colour pictures, mostly with several component figures (drawings, diagrams, tables, anatomical pictures, photomicro- and macrographs, fossils, test data and results). - With comprehensive interpretation text. In strong plastic file with ring-mechanism. Compilation and text: Dr. B. Zucht
- 8229E Origin and Evolution of Life Part II. Comprehensive edition.** The biological evolution from the procaryonts to the vegetable and animal kingdom. – Atlas of 24 OHP Transparencies size 22 x 28 cm, comprising 45 colour pictures, mostly with several component figures (drawings, diagrams, anatomical pictures, nature photographs, photomicro- and macrographs, life cycles, scenes of landscape, fossils, test data and results). - With comprehensive interpretation text. In strong plastic file with ring-mechanism. Compilation and text: Dr. B. Zucht
- 8230E Origin and Evolution of Life Part III. Comprehensive edition.** Basis, mechanisms and ways of evolution of the vegetable and animal kingdom. – Atlas of 30 OHP Transparencies size 22 x 28 cm, comprising 60 colour pictures, mostly with several component figures (drawings, diagrams, anatomical pictures, photomicro- and macrographs, life cycles, scenes of landscape, fossils, test data and results). - With comprehensive interpretation text. In strong plastic file with ring-mechanism. Compilation and text: Dr. B. Zucht

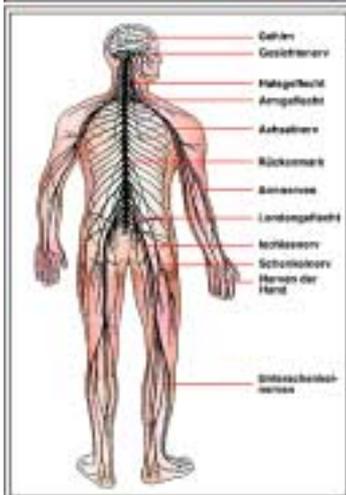




8204E The Origin and Evolution of Life. Short edition. Stellar, Chemical, and Organic Evolution. Development of Prokaryotes - The Biological Evolution from the Prokaryotes to the Vegetable and Animal Kingdom - Basis, Mechanisms, and Ways of Evolution of the Vegetable and Animal Kingdom - Atlas of 39 Overhead-Transparencies, size 22 x 28 cm, comprising 105 color pictures, mostly with several component figures. Sketch and work-sheets with semidiagrammatic designs and texts. Manual with depicted explanatory comments for the teacher. All in strong plastic file with ring-mechanism **NEW**

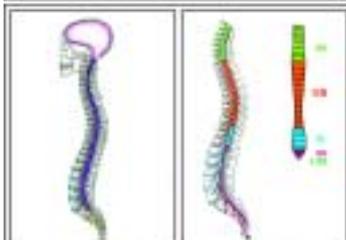


8232E Our Environment - Threats and Protection. Typical examples show which processes are changing the natural structure of our environment and how the dangers arising from this can be counteracted. It consists of three parts: I. The Landscape. II. Ground and Water. III. The Air. - Atlas of 36 OHP Transparencies size 22 x 28 cm, comprising 74 colour pictures, some with several component figures (drawings, diagrams, tables, schemes, landscape photographs and pictures, scenes, nature photographs, photomicrographs and macrographs, diagrammatic designs, test data and results). With comprehensive interpretation text. In strong plastic file with ring-mechanism. - Compilation and text: Dr. Joachim Mueller

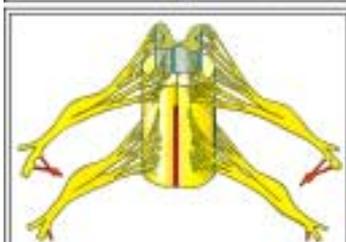
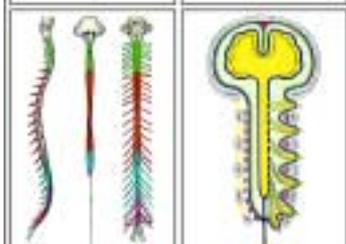


8233E Our Waters, Problems of Pollution, Methods of Protection and Recycling. Running and standing waters in land developed and cultivated by humans. Natural structure of a running water. Water tests and survey. Grades of waters. Pollution of waters by introduction of sewage. Eutrophication of lakes and running water. Redevelopment and restoration of lakes. Purification and protection of waters, methods. Acidification of surface waters - Biocides in waters. Drinking water. Summary. Examination and supervision of the water. Levels of water purity. Methods for cleaning and protection. - Atlas of 42 OHP Transparencies size 22 x 28 cm, comprising 118 colour pictures, some with several component figures (drawings, diagrams, tables, schemes, landscape photographs and pictures, nature photographs, photomicrographs and macrographs, technical photographs, test data and results). With comprehensive interpretation text. In strong plastic file with ring-mechanism. - Compilation and text: Prof. Dr. Otto Klee

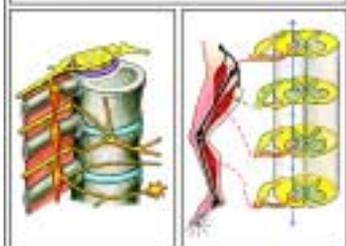
8234E The Forest - Essential to Life. This atlas of overhead projector transparencies presents plants and animals typical of the various forest types and their margins. The text introduces into the biology of species, informs about various interrelations between plants, animals, and humans in the ecosystem „forest“, and explains the vital functions of the forest. Instructive graphs are added. Forest is threatened by excessive lumbering, demand of agricultural areas, construction of houses, roads, ski-lifts etc., as well as by human-made environmental pollution. As forest means life, it is necessary and vital to give information and knowledge about forest and its problems. The forest as an ecological system. Plants and animals of the wood. The multifarious functions of the forest. Trees of the Forest. The layers of the forest. The forest during the seasons, Animals of the Forest. Functions and endangering of the forest. The forest as an ecological system. Threats caused by air pollution and acid rain. - Atlas of 30 OHP Transparencies size 22 x 28 cm, comprising 81 colour pictures, some with several component figures (drawings, diagrams, tables, designs and photographs of plants and animals, photomicro- and macrographs, life cycles, scenes, landscape photographs). With comprehensive interpretation text. In strong plastic file with ring-mechanism. - Compilation and text: Hartmut Dietle



8235E Protecting Crops from Damage and Diseases. Plants and vegetable products (stocks, store) have to be protected from pests and diseases to avoid economically important parts of plants to be quantitatively and qualitatively damaged. Preventive steps (plant hygiene) and direct protective measures (physical, biochemical, biological, and chemical methods) are used by farmers, gardeners, and hobby gardeners in the defense of harmful plants and animals. Plant diseases of economic importance. Photomicrographs of fungi causing plant diseases. Vegetable pests: weeds. Economically important animal pests. Measures and methods of plant protection. Integrated protection of plants. Plant protection: mechanical, chemical, biological and biotechnical treatments. - Atlas of 30 OHP Transparencies size 22 x 28 cm, comprising 101 colour pictures, some with several component figures (drawings, diagrams, tables, designs and photographs of plants and animals, photomicro- and macrographs, life cycles, scenes, nature photographs, landscape photographs). With comprehensive interpretation text. In strong plastic file with ring-mechanism. - Compilation and text: Hartmut Dietle and Dr. Anton Mittnacht



8238E Ecosystems. Natural biological communities become rarer and rarer. Their abundance of species, the problems of their preservation as well as their importance for the whole ecological structure, even for inconspicuous microbiotopes, are treated in these series on hand and documented by characteristic examples. Almost all of the details are photographed in their natural site to secure the greatest possible authenticity. The included texts give detail information on the biology of the species as well as on the development and ecology of the biotope. Ecosystem Pond. Plant Society. Ecosystem Pond. Animal Society. Ecosystem Puddle. Ecosystem Moor. Ecosystem





Forest. Ecosystem Mountain Meadows. Plants and Animals. Ecosystem Mud-flats (Shallows) – Atlas of 42 OHP Transparencies size 22 x 28 cm, comprising over 210 colour pictures, mostly with several component figures (drawings, diagrams, tables, schemes, landscape photographs and pictures, nature photographs, photomicrographs and -macrographs, scenes, diagrammatic designs, test data and results). The series is designated for use in all types of schools, secondary schools, colleges and adult education. - With comprehensive interpretation text. In strong plastic file with ring-mechanism. Compilation: Dr. Rainer Ertel and Dr. Bernd Zucht

8250

Environmental Damages to Animals and Plants. Short Version. – Atlas of 18 Overhead-Transparencies size 22 x 28 cm, comprising over 80 colour pictures (photomicro- and macrographs, nature photographs, human photographs, electron micrographs, life cycles, drawings, diagrams, tables, scenes, test data and results). With comprehensive interpretation text. In strong plastic file with ring-mechanism. Compilation and text: Dr. Karl-Heinrich Meyer B.S. and Johannes Lieder. **NEW**

8236E

Colour Atlas of Photomicrographs of General Biology. Atlas of Transparencies to Accompany the Multimedia Program for Biology (Series A, B, C and D). Colour photomicrographs for General Biology, giving a complete survey over all phyla and classes of plants and animals: Human Science – Zoology of Vertebrates and Avertebrates: Protozoa, Sponges, Coelenterata, Vermes, Crustacea, Arachnida, Insecta, Echinodermata, Acrania - Histology of Human and Mammals: Cells and Tissues, Respiratory, Circulatory, Urogenital and Digestive Systems. Nervous System, Sense Organs and Skin - Botany, Cryptogams: Bacteria, Algae, Fungi, Mosses, Lichenes and Ferns - Botany, Phanerogams: Angiosperms and Gymnosperms, Cells and cell division, Roots, Stems, Leaves, Flowers and Fruits - Cytology and Genetics – Mitosis and Meiosis - Embryology and Development - Bacteria and Diseased Organs of Man - Ecology and Environment Protection. – Atlas of 45 transparencies with 252 pictures. With comprehensive depicted interpretation text. In strong plastic file with ring-mechanism. **5th Edition!**

72303E

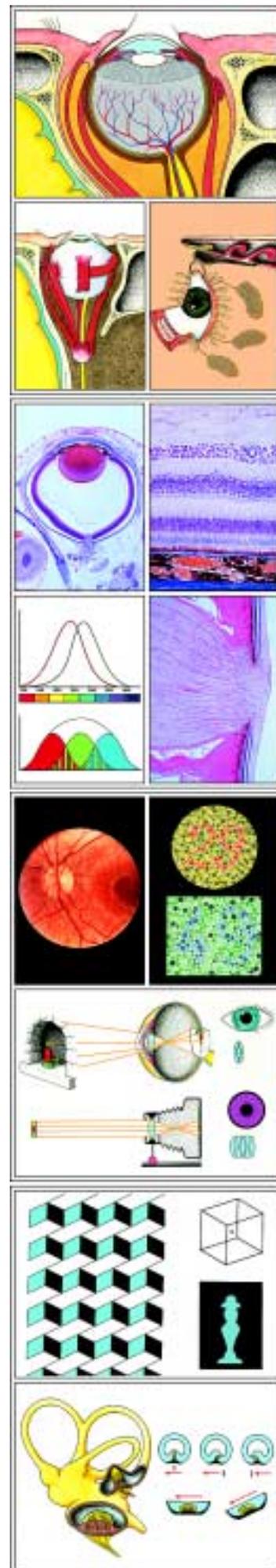
Histology (Mammals and Human). NEW enlarged and revised Comprehensive Edition. - Cells, Cell Division and Genetics - Mitosis and meiosis - Epithelial Tissues. - Connective Tissues - Cartilage and Bone - Muscle Tissues - Respiratory System - Circulatory System and Blood - Lymphatic System - Endocrine Glands - Digestive System: Mouth and Teeth - Digestive System: Oesophagus and Stomach - Digestive System: Intestine - Digestive System: Pancreas, Liver and Salivary Glands - Excretory System - Reproductive Organs: Female - Egg development - Reproductive Organs: Male - Spermatogenesis - Nervous System - Peripheral nerve - Spinal cord - Motor nerve cell - Cerebellum - Cerebrum - Spinal ganglion, sympathetic ganglion - Organs of Sense: The Eye - Retina - Organs of Sense: The Ear - Cochlea - Organs of Sense: Smell and Taste - Olfactory epithelium - Taste bud - Organs of Sense: Touch and Perception - Integument, Skin and Scalp - Human skin from palm - Nail development - Human scalp - Mammary gland. With 228 photomicrographs, histological and anatomical designs and graphs on 41 color transparencies. Plus NEW Sketch- and worksheets with semidiagrammatic designs and texts. NEW PUBLICATION. With comprehensive interpretation text. In strong plastic file with ring-mechanism. - Compilation and text: Prof. Dr. Kurt Fiedler and Johannes Lieder

8245E

Histology and Human Science. Basic Edition. – Tissues and Skin - Circulatory, Respiratory and Endocrine System - Digestive System - Urinary and Genital system - Nervous System and Sensory Organs - Atlas of 30 Overhead-Transparencies size 22 x 28 cm, comprising over 171 pictures (anatomical pictures, photomicro- and macrographs, nature photographs, human photographs, electron micrographs, X-ray photographs, drawings, diagrams, tables, test data and results). With comprehensive interpretation text. In strong plastic file with ring-mechanism. - Compilation and text: Dr. Karl-Heinrich Meyer B.S. and Johannes Lieder. **NEW**

8237E

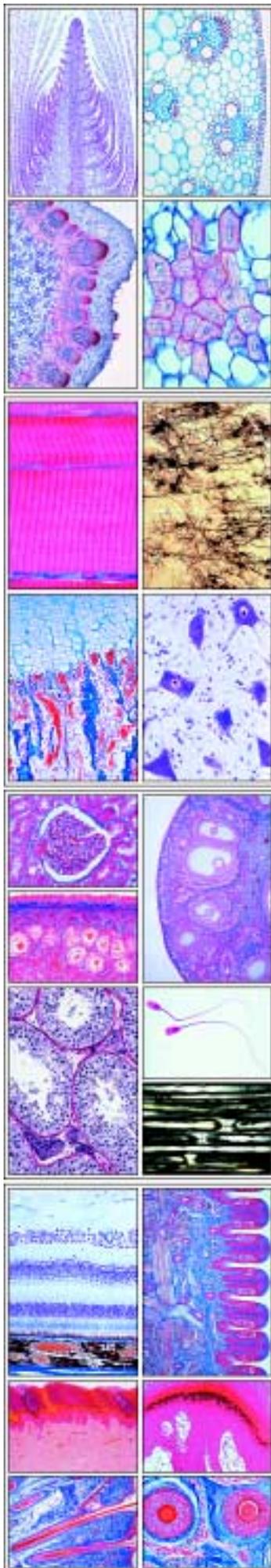
Zoology (Microscopic Anatomy of Invertebrates). Microscopic anatomy and histology of the invertebrates. Protozoa - Amoeba - Euglena - Radiolaria - Foraminifera - Trypanosoma - Dinoflagellates - Noctiluca - Plasmodium - Paramecium - Vorticella - Porifera - Sycon, - Spongilla - Euspongia - Coelenterata - Hydra - Polyp and medusa - Actinia - Platyhelminthes - Fasciola - Planaria - Taenia - Nematelminthes - Ascaris - Trichinella - Nereis - Hirudo - Lumbricus - Crustacea - Daphnia and Cyclops, - Astacus, crayfish - Arachnida - Spider - Scorpion - Ixodes - Insecta - Musca domestica, house fly - Apis mellifica, honey bee, - Blatta, cockroach - Pieris, butterfly - Spiracle and Trachea - Compound eye - Sting of honey bee - Anopheles - Culex pipiens - Drosophila, fruit fly - Flea - Cimex - Mollusca - Chiton - Octopus - Mussel (clam) - Snail - Echinodermata - Asterias - Sea urchin - Acrania, Fish, Amphibians, Reptiles and Birds - Branchiostoma lanceolatum - Scyllium, dogfish - Fish scales, - Rana, frog, - Lacerta, lizard - Gallus, chicken - Bird feathers. – Atlas of 26 transparencies with 165 pictures. With comprehensive interpretation text. In strong plastic file with ring-mechanism. - Compilation and text: Prof. Dr. Kurt Fiedler and Johannes Lieder. **NEW**



NEW!

NEW!

NEW!



72306E Parasitology (Human and Animals). NEW enlarged and revised Comprehensive Edition. Topics such as „parasitic animals, a menace to human health“ are contents of the biological and health instruction in senior high schools and junior colleges offering general education. There is no doubt that in the near future this curricular aspect will be paid more and more attention to. This transparency atlas hence shall inspire, but also offer the substantial and necessary help to realise an instruction characterized by a higher degree of clearness due to its illustrative material. Almost 50% of all human diseases in the developing countries are caused by parasites, and those animals which constitute human food are affected in a still higher degree. Our modern times are characterized by mass tourism, and travels of teenagers to sub-tropical and tropical countries of the Third World are no longer the rare exceptions. That is why this transparency atlas, due to its excellent usefulness to instruction, applies not only to students of human and veterinary medicine, but also to school biologists. To all of them this atlas offers reliable help with its brilliant microphotographs, typical pictures of diseases, impressive life-cycles and the text, based on the latest scientific findings. – Humoral and cellular reactions - Protozoa: Trypanosomes - Protozoa: Leishmanias - Protozoa: Multiflagellar flagellates - Trichomonas vaginalis. - Giardia lamblia - Protozoa: Entamoebae - Entamoeba histolytica - Entamoeba coli - Protozoa: Toxoplasma and Sarcosporidians - Sarcocystis - Protozoa: Telosporidia - Gregarina, from - Eimeria stiedae - Protozoa: Malaria parasites - Plasmodium falciparum - Plasmodium malariae - Plasmodium vivax - Protozoa: Babesias, Ciliates and Limax amoebae - Platyhelminthes: Trematodes (Flukes and Blood Flukes) - Fasciola hepatica - Dicrocoelium lanceolatum - Echinostoma - Opisthorchis - Clonorchis - Schistosoma - Platyhelminthes: Cestodes (Tapeworms) - Taenia saginata and Taenia solium - Hymenolepis - Dipylidium caninum - Echinococcus granulosus and E. multilocularis - Nematelminthes (Roundworms) - Ascaris - Heterakis - Enterobius - Trichinella spiralis - Ancylostoma duodenale and Necator americanus - Trichuris - Wuchereria bancrofti - Pentastomids: Tongue Worms - Armillifer armillatus - Eggs of Helminths - Arachnida: Ticks and Mites - Ornithodoros moubata - Argas persicus - Ixodes - Dermacentor - Dermanyssus - Sarcoptes - Insecta: Lice and Bugs - Phthirus pubis - Pediculus - Cimex - Insecta: Mosquitoes - Culex pipiens - Anopheles - Insecta: Fleas - Pulex - Xenopsylla - Ctenocephalus - Nosopsyllus With 228 color photomicrographs, on 35 transparencies. Plus NEW Sketch- and worksheets with semidiagrammatic designs and texts. – Atlas of 35 Overhead-Transparencies size 22 x 28 cm, comprising 228 pictures (colour photomicrographs and -macrographs, habit photographs, designs and life-cycles of the parasites and anatomical pictures). With comprehensive interpretation text and drawings and designs. In strong plastic file with ring-mechanism. - Compilation and text: Prof. Dr. Werner Frank and Johannes Lieder. NEW PUBLICATION

8249E Bacterias, Parasites and Human Diseases. Comprehensive Edition. Bacterias as causative agents of diseases. Ecto- and Endoparasites of man and animals. Pathological changings in diseased human organs. **Useful and harmful Bacteria:** - Spherical bacteria, cocci Rod-shaped bacteria, non spore-forming, gram-positive. Rod-shaped bacteria, non spore-forming, gram-negative. Rod-shaped bacteria, spore-forming (bacilli). Spiral bacteria and spirochaetes. Miscellaneous groups. - **Parasites of human and animals:** Protozoa. Platyhelminthes. Nematelminthes. Arachnida. Insecta. **Human diseases (Pathology):** - Abnormal alterations of cells and tissues. Injury of circulatory organs and blood-forming organs. Pathologic alterations of lung and liver, tuberculosis, pneumonia. Reaction of kidney after arteriosclerosis, disturbance of metabolism, and inflammation, colitis. Specific inflammations after infection with syphilis spirochaetes. Progressive alteration of injured tissues and organs (Hypertrophy and hyperplasia). Benignant and malignant tumors. – Atlas of 32 Overhead-Transparencies size 22 x 28 cm, comprising over 230 pictures (anatomical pictures, photomicro- and macrographs, nature photographs, human photographs, electron micrographs, life cycles, drawings, diagrams, tables, scenes, test data and results). With comprehensive interpretation text. In strong plastic file with ring-mechanism. - Compilation and text: Dr. K.-H. Meyer B.S. and Johannes Lieder.

8231NE Embryology. New enlarged edition. Embryological development of Ascaris, Sea-urchin, Frog, Chicken and Mammal. Ascaris Embryology. Maturation and Cleavage of Ascaris megaloccephala bivalens. Types of Eggs and Patterns of Cleavage. Sea Urchin Embryology (Psammechinus Miliaris). Chicken Embryology. Devepoment of the Neurula. Mammalian and Human Embryology. – Atlas of 21 Overhead-Transparencies size 22 x 28 cm, NEW ENLARGED EDITION, comprising over 122 pictures (colour photomicrographs and -macrographs, colour life-cycles and anatomical pictures, drawings and designs). With comprehensive interpretation text. In strong plastic file with ring-mechanism. - Compilation and text: Dr. K.-H. Meyer and Johannes Lieder. **NEW**

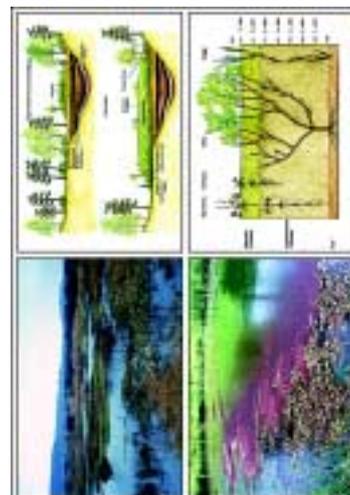
NEW!

NEW!

NEW!



72304E Microscopic Anatomy of Flowering Plants (Phanerogamae). NEW enlarged and revised Comprehensive Edition. Microscopic anatomy and physiology of flowering plants. Cytology and tissues. Construction and function of roots, stems and leaves. Flowers, fruits and reproduction. - Microscopic anatomy and physiology of flowering plants. Cytology and tissues. Construction and function of roots, stems and leaves. Flowers, fruits and reproduction. Cells and Cell Organelles - Plastids - Nuclear Division and Cell Division in Meristematic Hyacinth Root Tip Cells. Storage in the Cell - Meristem. Parenchyma. Aerenchyma. Epidermis - Trichomes and Emergences - Supporting Tissue - Conducting Tissue - Vascular Bundles and their Arrangement in the Shoot - Secondary Growth of the Shoot. - Pine Wood and Bast- Lime Wood and Bast. - Secondary Growth in Monocotyledons. Periderm and Bark- Vegetative Shoot Apex - Structure of the Leaf - Stomata and Leaf Stalk - Leaf Structure and Habitat - The Root - Secondary Growth of the Root. Symbiosis - The Flower - Meiotic Nuclear Division in Pollen Mother Cells of the Lily - Structure of the Ovary. Structure and Development of the Embryo Sac - Pollen Tube. Double Fertilization. Development of Embryo and Endosperm - Development of Seed and Fruit - Atlas of 41 Overhead-Transparencies size 22 x 28 cm, comprising 255 pictures of colour photomicrographs and photomacrographs, life-cycles, and habit photographs. With comprehensive interpretation text and 122 drawings and designs. In strong plastic file with ring-mechanism. - With 255 potomicrographs, designs, graphs and life-cycles on 41 color transparencies. With comprehensive interpretation text. Plus NEW Sketch- and worksheets with semidiagrammatic designs and texts. Compilation and text: Dr. Dieter Gerlach and Johannes Lieder. **NEW**



72305E Microscopic Anatomy of Non-Flowering Plants (Cryptogamae). Morphology of Thallophyta and Archegoniatae. Non-pathogenic Bacteria. Fungi and Lichenes. Algae. Bryophyta. Pteridophyta. - NEW enlarged and revised Comprehensive Edition. Schizophyta - Schizomycetes (Bacteria) - Cyanophyceae (Blue-Green Algae) - Pyrrophyta (Fire Algae) dinoflagellates - Euglenophyta - Chlorophyta (Green Algae) Chlorophyceae - Conjugatophyceae - Charophyceae - Xanthophyta (Yellow Algae) - Chrysophyta: Bacillariophyceae (Diatoms) - Phaeophyta (Brown Algae) - Rhodophyta (Red Algae) - Mycophyta (Fungi): Myxomycetes - Phycomycetes - Ascomycetes - Basidiomycetes - Fungi imperfecti - Lichenes - Bryophyta: Hepaticae (Liverworts) - Musci (True Mosses) - Pteridophyta: Steles - Pteridophyta: Stem and Root - Pteridophyta: Filicatae (Ferns) Reproduction - Pteridophyta: Sporangia - Atlas of 32 Overhead-Transparencies size 22 x 28 cm, comprising 194 pictures of colour photomicrographs and photomacrographs, designs, graphs and life-cycles. With comprehensive interpretation text and drawings and designs. Plus NEW Sketch- and worksheets with semidiagrammatic designs and texts. In strong plastic file with ring-mechanism. - Compilation and text: Dr. Dieter Gerlach and Johannes Lieder. **NEW**



8246E Botany Part I. The Cryptogames. Short edition. - This atlas provides basic knowledge of the Non-Flowering Plants. Atlas of 18 transparencies with 116 pictures. With comprehensive interpretation text. In strong plastic file with ring-mechanism. **NEW**

8247E Botany Part II. The Phanerogames. Short edition. - This atlas provides basic knowledge of the Flowering Plants. Atlas of 20 transparencies with 142 pictures. With comprehensive interpretation text. In strong plastic file with ring-mechanism. **NEW**



8240E The Structure of The Matter Part I. The structure of the matter is the object of world-wide research work. The present atlas contains a systematic survey of the respective research results and is designated for use in secondary schools and in classes of technical, physical and chemical colleges and adult education. Here a selected stock of pictures is placed at disposal, which in usual textbooks and education manuals is contained in a very limited size only. The composition of the atom, elementary particles, atomic nuclei, structure of the atomic shell. Energy, matter, interactions. Classes of matter, properties, chemical bonding. Symmetry of crystals, properties of minerals, research into the structure. - Atlas of 35 OHP Transparencies size 22 x 28 cm, comprising 86 colour pictures with a great variety of details, mostly with several component figures (drawings, diagrams, tables, schemes, photomicrographs and -macrographs, electron micrographs, X-ray photographs, field emission micrographs, diagrammatic designs, technical photographs, test data and results). In strong plastic file with ring-mechanism. Compilation: Dr. rer. nat. Otto J. Lieder.



8241E The Structure of The Matter Part II. Morphology of the minerals I. Elements and Bonds. Morphology of the minerals II. Silicates. Morphology and microstructure of the rocks. Gems and precious stones. - Atlas of 27 OHP Transparencies size 22 x 28 cm, comprising 204 colour pictures with a great variety of details, mostly with several component figures (drawings, diagrams, tables, schemes, photomicrographs and -macrographs, electron micrographs, X-ray photographs, diagrammatic designs, test data and results). In strong plastic file with ring-mechanism. - Compilation: Dr. rer. nat. Otto J. Lieder.





| | | | | | |
|----------------------------------|--|--|--|--|---|
| <p>Parasitic Protozoa</p> | | | | | |
| | | | | | <p>Abnahme der organischen Substanz in Kläranlagen und im Nature</p> |
| | | | | | <p>Reinigung der organischen Substanz im Gewässer</p> |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | <p>Die Filterwirkung des Waldes</p> |