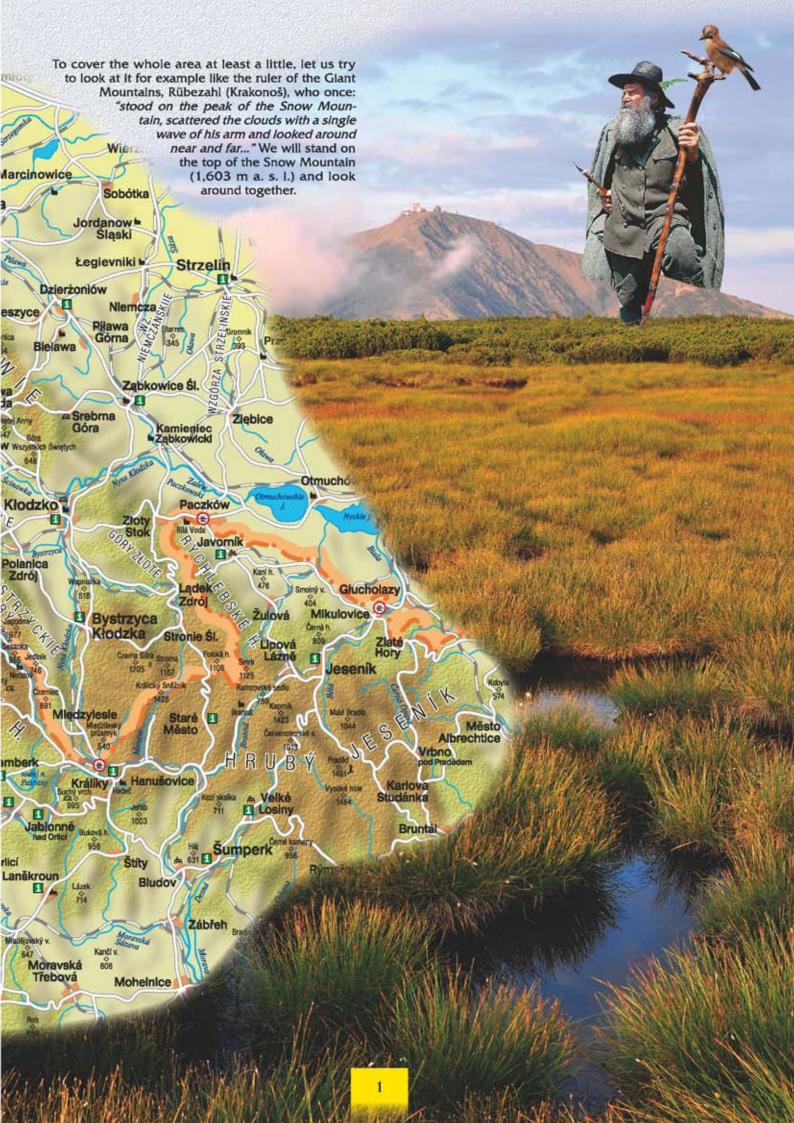


A journey in pursuit of natural beauties of the Glacensis Euroregion

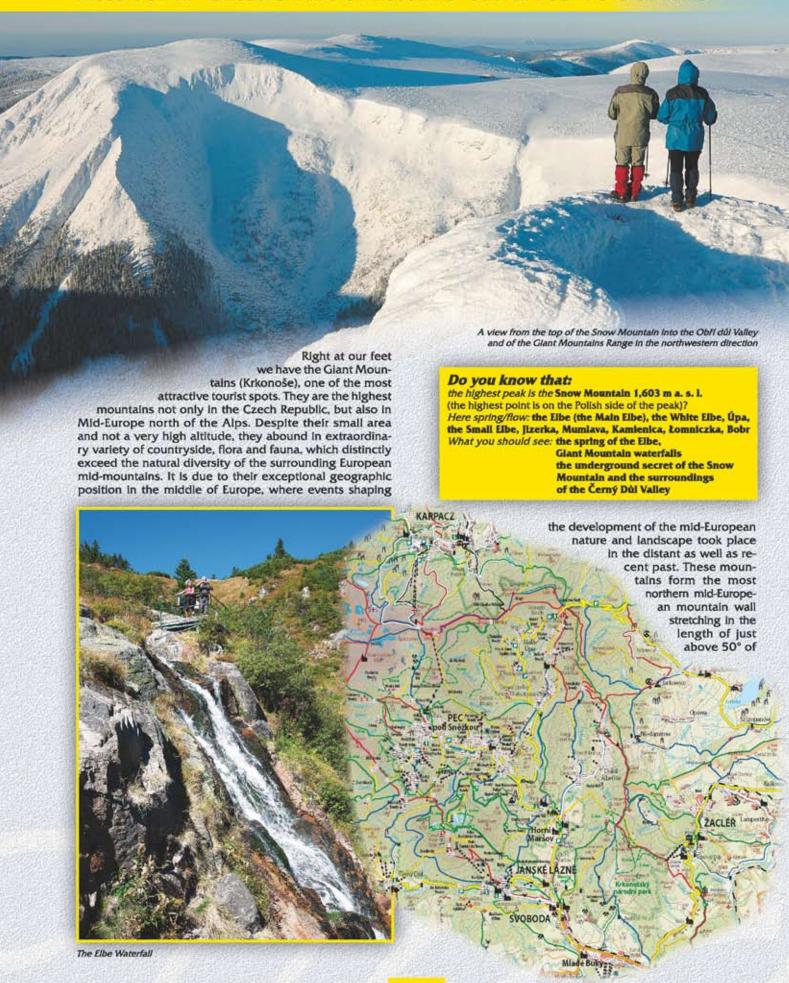








Eastern Giant Mountains and its footbills



northern latitude. Their slopes protrude above the Alpine forest border and thus represent a massive natural mound on the edge of the extensive lowlands of Germany and Poland. Their length is approximately 35 km and their main ranges and valleys are arranged in the northeast – southeast direction. This significantly influences all geographic, climatic and biological qualities of these European midmountains and their surroundings.

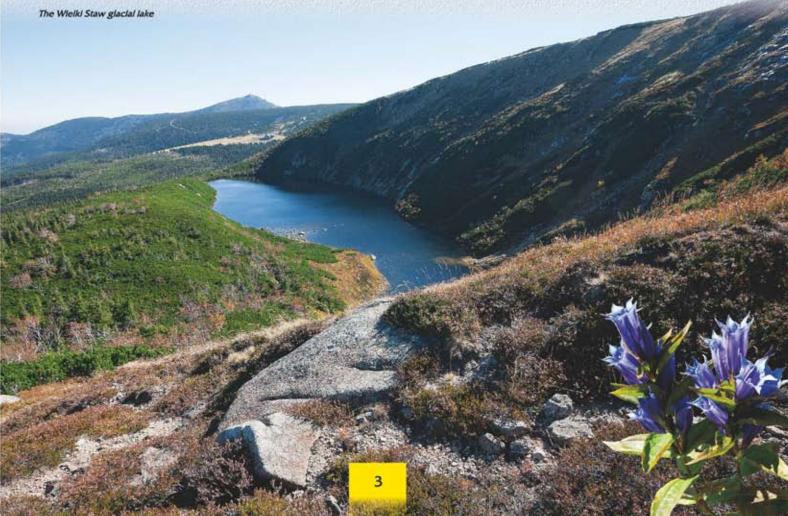
They have been a very often sought-after tourist destination since the 19th century, which has surely contributed to the development of tourist enterprise, but on the other hand the high number of tourists has started to endanger the nature itself. For its protection, the Giant Mountains National Park was established in 1959 on the Polish side (Karkonoski Park Narodowy) and in the year 1963 on the Czech side as the so-called Krkonošský národní park (KRNAP). Today both the parks belong to the bilateral Karkonosze / Krkonoše Biosphere Reserve formed in 1992 and comprising the area of over 60,000 ha. Who gets to know the Glant Mountains in their whole wildness and beauty, he will fall in love with them forever. And the mountains have plenty to offer. Splendid mountain ranges, steep valleys, gorges and pits as wild as their ruler Rübezahl. We can find here rocks of fantastic shapes, debris, blockfields, flerce mountain torrents as well as lakes. In many places we can find traces of Pleistocene glaciation. The most attractive ones include the glacial valleys (cirques) called on the Polish side the basins of the Wielki Staw and Maly Staw (meaning ponds, even though these are glacial lakes, and we should admit that they are on the territory of the neighbouring Euroregion Nysa), the basin of Lomničky, the Obří důl (Giant Pit) Valley, the Kotelní jámy (Basin Pits) or Sněžné jámy (Snow Pits) with numerous moraines, in the shadow of which we often find the fields of eternal snow. Unique beauty distinguishes also the range granite rock gardens. To name just a few, these are for example the Harrachov Stones, the Male Stones (Czeskie Kamienie in Polish), the Malden Stones (Slaskie Kamienie) or the Swine Stones (Trzy Swinki). The Giant Mountains waterfalls are utterly ravishing, especially at the time of spring thaw: the Elbe Waterfall (40 m), the Pančava Waterfall (130 m), the Mumlava Waterfall,



The twin peak "Male Stones" (Mužské kameny, Czeskie Kamienie)

and on the Polish side the Szklarki Waterfall, the Lomniczki cascades or the Kamieńczyk Waterfall (27 m).

Nevertheless, nature is formed by flora as well as fauna. Who is occupied in a rather more detailed way with botany or biology, he discovers in the nature of the Giant Mountains evidence of division into altitudinal zones. The zone of pine groves merges into the zone of dwarf-pines, moreover enriched with the downy willow and the Silesian willow, or the Carpathian birch or the bird cherry. The vegetation in the highest places resembles peat and lichen tundras. Some species grow only in these places (so-called endemics), such as for example the mossy saxifrage, the Bohemian belliflower, Sudeten rowan and others. Let us mention some animals too, at least the Alpine shrew or the Eurasian dotterel. However, it is necessary to point out again that the nature of the Giant Mountains is **strictly protected**.





Vraní Mountains, in Polish Góry Krucze

Not a very big, approximately 8 km-long massif of the Vraní Mountains (Crow Mountains) catches everybody's eye with its very steep slopes and its distinct superelevation over the surrounding terrain (about 400 m). It is situated in the Trutnov region east of Žacléř and with its lower, but more extensive part it continues into Poland under the name Góry Krucze. The Vraní Mountains are an Independent geomorphological district of the Broumov Highlands, which closely borders on the Giant Mountains. Polish geographers include this mountainous country in the western part of the Stone Mountains (Góry Kamlenne), a part of Central Sudetes (Sudety Środkowe). At the first sight, The Vraní Mountains have a typical character of a flat mountainous country. From the west we can see steep slopes, which reach here the greatest height, whereas the mountains gradually become lower towards the east. The highest mountain is Královecký Špičák (880.6 m a. s. l.), the summit of which offers a view of Rýchory on the opposite side and the western part of the Zacléř Highlands. As far as waters are concerned, it lies on the line of the European water divide. The southern streams are located in the catchment of the Upa River and flow off to the North Sea, whereas the northern streams flow into the Bobr (Beaver) River and their waters further head for the Baltic Sea.

The flora of the Vraní Mountains depends on their geological structure. Volcanic rocks rich in quartz, very close to granites

in their chemical composition, form nearly the whole mountain range. On the foundation poor in nutrients we can find just poor vegetation; UBAWKA a somewhat richer abundance occurs only on the banks of streamlets and in deciduous forests - beechwoods and talus maple groves. Perhaps the only botanical oasis is the remarkable Kruczy Kamleń Nature Reserve with the adjacent valley near the town Lubawka in Poland. The blue tourist mark leads from here towards the Kruczy Kamleń Nature Reserve with rare plants and animals, which also includes a system of rock formations.

Kruczy Kamleń

(Raven Stone): a nature reserve of a geological and landscape

character comprising the area of 10.2 ha, declared already in the year 1954. Subject to protection are porphyry rocks with up to 30-metre-tall sides, richly overgrown with plants, especially in the debris at the foothills. We can find here rock and thermophilic species (e.g. white stonecrop, common houseleek, swallow-wort, three kinds of maidenhair spleenwort and others). As a rarity we can mention the current attempt at the reintroduction (deliberate release into the wild) of the beautiful mountain apollo butterfly, which had become extinct here almost a hundred years ago. On the rocky Krucza Skała promontory (Raven Rock; 681 m a. s. l.) there is an outlook tower offering a view of an unusually shaped landscape of the Vrani Mountains.

Some interesting places are situated aside from any tourlist marks, too. Lovely is for example the Devil's Gorge above the village of Bečkov, decorated with rhyolite cliffs. What deserves the greatest attention among them is the rock needle in the left slope (rhyolite tor). In a rock side under the Bečkov hill, there is an unusually strong spring, reminding of a karst seep in a limestone cave area, which dashes over a series of cascades and then forms the 2.5 metre-tall Bečkov Waterfall.

Do vou know that:

the Vraní Mountains represent modest remnants of a once mighty Paleozoic volcano? What you should see: Kruczy Kamień Reserve Devil's Gorge



The Kruczy Kamień Nature Reserve



The landscape of the Jestfebi Mountains by Doini Vernéjovice



The forested range of the Jestřebí Mountains seen from Odolov

Jestřebí Mountains

South of the Vrani Mountains there are situated the Jestřebí Mountains, forming an approximately 20 km-long, mostly forested mountain range, stretching between the valleys of the Petříkovice Brook and the Metuje River near Hronov. The highest peak is Žaltman (739 m), earlier called Hexenstein (Stone of Witches). On the peak rock there has stood since 1967 the 14-metre-high iron lookout tower with a panoramic view of the Glant Mountains, Rýchory, the Owl and the Javoří Mountains, the Teplice-Adršpach Rocks, the Broumov Walls, and if we are lucky, then we can also behold the Orlické Mountains, Králický Sněžník, Zvičina, sometimes even the Trosky Castle. We can see beautiful views of the region of the

from other places of the ridge part of the Jestřebí Mountains. Geomorphologically, the Jestřebí Mountains are a district of the Broumov Highlands. The alternation of soft rocks (aleuropelites) and harder rocks (arkoses, conglomerates) has caused the formation of longitudinal little ridges and shallow dips. On the front slopes of many of these little ridges, over 10-metre-high rock sides with bedrock steps have been formed, interestingly shaped by weathering. We can also find here a complete set of

Čapek brothers, Božena Němcová and Alols Jirásek also

rock formations, such as "Kryštof's Stones" etc. The geological as well as geomorphological attractiveness of these rock sections is still being increased by the occurrence of fossilized trunks of Araucaria from the Permian and the Carboniferous periods, of "petrified wood", deposited directly in the rock massif.

HRONOV

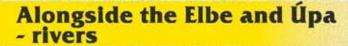
The mountain ridges are forested with Norway spruces, European beeches, not unfrequently sycamore maples occur in the debris. There also grow European larches, northern red oaks and Douglas firs. Every spring different kinds of flowers bloom on the meadows of the Jestřebí Mountains. The best-known among them are millions of protected snowflakes, forming white carpets.

The landscape formation of the Jestřebí Mountains was also affected by extensive mining activity. We are reminded of it by defunct drifts and shafts and by today closed

mines in Radvanice and Malé Svatoňovice and their pitheaps. These localities are connected through the Mining Educational Path.

COSTELEC

A forest in the valley of the Jivka brook





The spring of the Elbe river

leaving the deep

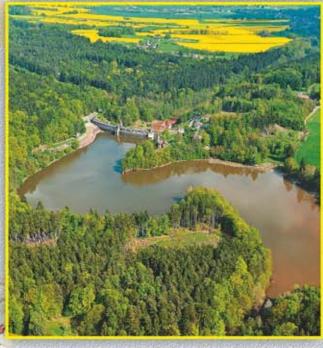
valleys of the GI-

As far as waters are concerned, we can just mention that the Giant Mountains, the same as most of our northern bordering mountains, belong to the European water divide. The springs of the northern hillsides of the main ridge drain their waters to the Baltic Sea, whereas the other springs empty into the Elbe and along with its waters they head for the North Sea. Now let us move along the flow Peck of the rivers into the Bohemlan foothills. We are

ant Mountains and ahead of us there opens the beautiful picturesque landscape of the Sub-Giant Mountains, which continue under the Zvičina hill (671 m a. s. l.).

The Elbe Valley forms here romantic recesses, so it is no wonder that the region under Zvičina (called Podzvičinsko), more and more often becomes a much-sought-for location. Among its tourist attractions definitely ranks the Forest Kingdom dam (Les Království), a technical monument completed in 1919, the oldest of its kind in Central Europe. Nature lovers will definitely find time to visit the zoological garden in Dvůr Králové nad Labem, which is famous for its African safari.

The Zvičina hill seen from Pecka

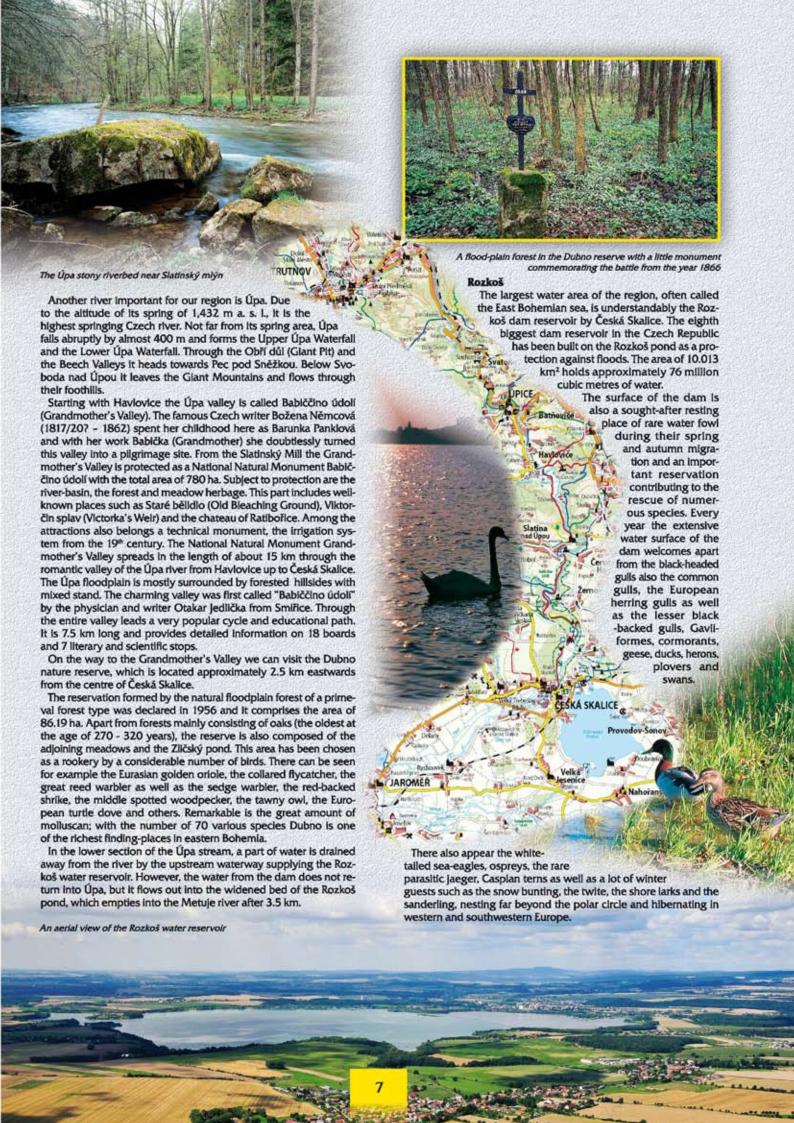


The Forest Kingdom dam (Les Království)

Do you know that:

one of the largest collections of paintings by the legendary painter of prehistoric times Zdeněk Burian has been open to public in the building of the ZOO Directorate in Dyur Králové nad Labem since 1983? The exhibition "Prehistoric times through the eyes of Zdeněk Burian" contains 72 works dedicated to life development on the Earth from the Paleozoic Era till the present day.

The Elbe river would lead us further to the fertile Polabí, to the towns of Hradec Králové and Pardubice, in the surroundings of which a nature lover can also find a lot of valuable nature VUR KRALOV reserves

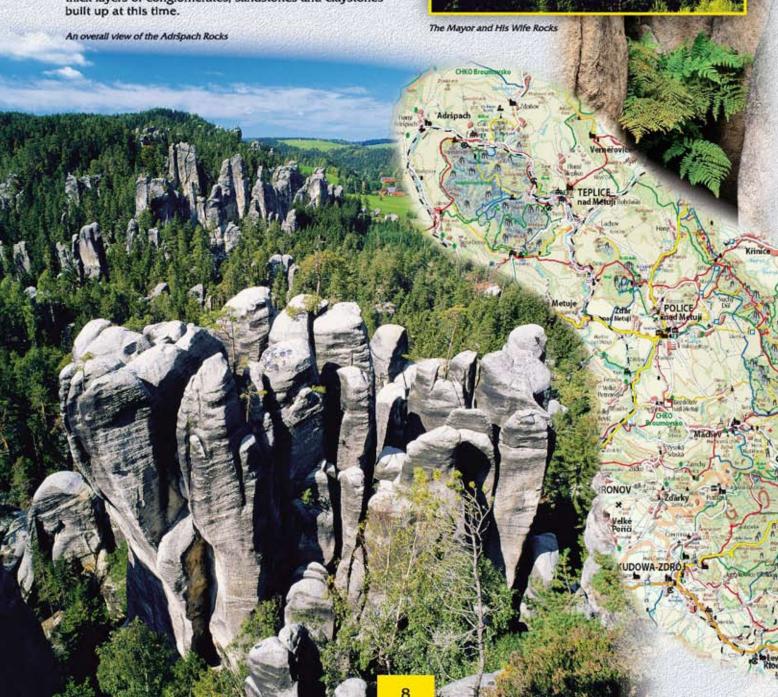


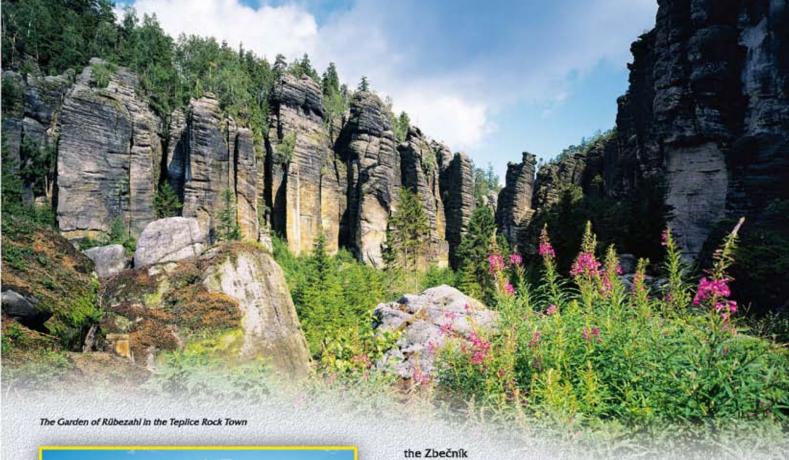
Rock towns in the Kladsko borderland and the Kladsko region

If we look through the eyes of Rübezahl again, this time in the southeast direction along the state border, we can see the range of the mountains, where each section has its own inner charm and is more beautiful than the others due to something. Within eyeshot there are the **Broumov Highlands** on the territory of which we can find the largest nature reserves in the Czech Republic, especially the Adršpach-Teplice Rocks, the Broumov Walls and further on smaller rock towns such as the Cross Hill, Ostaš and others. Their protection is secured by the Broumovsko Protected Landscape Area.

A little jump into history

Let us go back to school for a while and recall the geological past at least a little bit to clarify the origin of the impressive rock glants. Approximately 330 million years ago, in the Carboniferous period, among the then probably powerful mountain chains of the Orlické Mountains, the Giant Mountains and the Polish Owl Mountains there was formed an extensive basin, where thick layers of conglomerates, sandstones and claystones built up at this time.





Martinkovice

The Duke rock tower with a sandstone lake

USZNIKI-ZDE

The Duke rock tower with a sandstone lake and the Cross Hill in the background

For the next several tens of millions years, the territory of northeastern Bohemia was geologically relatively inactive and it just came to rock erosion and transport.

As late as in the Upper Cretaceous period (approximately 40 million years ago), northeastern Bohemia was penetrated by the sea (coming from the territory of nowadays Poland), where the today thick layers of sandstones, maristones and argillites, which fill the Police Basin,

- Hronov stream valley

and the Rtyně - Svatoňovice Basin, have become deposited. And exactly of the Cretaceous origin are also the rock towns of Adršpach and Teplice Rocks, Ostaš, the Broumov Walls and the borderline Bor. Deep defiles and admirable rock formations have come into existence due to the long-lasting disruptive activity of water, wind and frost. The Cretaceous plates also form the base of the broad flat land-scape in the surroundings of Česká Skalice and Jaroměř, disrupted by the cutting of water-courses.





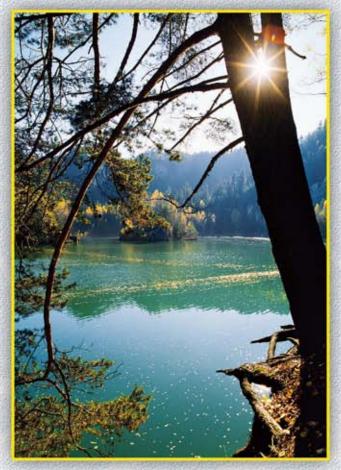
The Ostaš table mountain seen from Žďár nad Metují

The Adršpach-Teplice Rocks National Nature Reserve (NNR) was declared already in 1933 on the area of 1,771 ha (today 1,712 ha) with the aim to protect the well-preserved units of the rock towns. The NNR is located approximately in the triangle demarked by the municipalities Adršpach (Horní Adršpach), Teplice nad Metují and the Čáp (Stork) peak over the Skály (Rocks) village, which forms with its ridge in the altitude of 786 m a. s. l. the highest part of the nature reserve.

The Certovo auto (Devil's Car) rock formation on Ostaš is an example of sandstone weathering

After the recess of the aforementioned Cretaceous sea due to tectonic and erosive activity, including weathering, two isolated groups of rocks were formed in the originally sandstone plate on this territory - the rock towns of Adršpach Rocks and Teplice Rocks separated from each other by the deep Wolf Gorge.

The NNR is significant not only due to its geomorphology, but also the abundance of many protected animals and plants. The rock towers, many a time rock mazes, lagoons as well as the surrounding landscape are a sought-after destination not only for rock climbers, but also for film-makers, particularly authors of fairy tales.



The lake of a former sandpit in Adršpach forms fairy tale-like sceneries



"It was a long time ago, when the magician Magiāš conducted his magical business on the mountain of Hejšovina. As you know, there are good magicians, who are called wizards or thaumaturgists, and evil magicians, who are called sorcerers. Magiāš was somewhere in between; sometimes he was so good that he did not practise witchcraft at all, and at other times he conjured so mightily that it thundered and lightnings were flashing about; sometimes it occurred to him that stones might rain down, and once he even made little frogs rain down. In short, say what you may, such a wizard is not a very enjoyable neighbourhood, and even though people swore they did not believe in magicians, they rather avoided Hejšovina; it was just an excuse when they used to say it was a long way uphili - no wonder they did not want to admit that they were afraid of Magiāši"

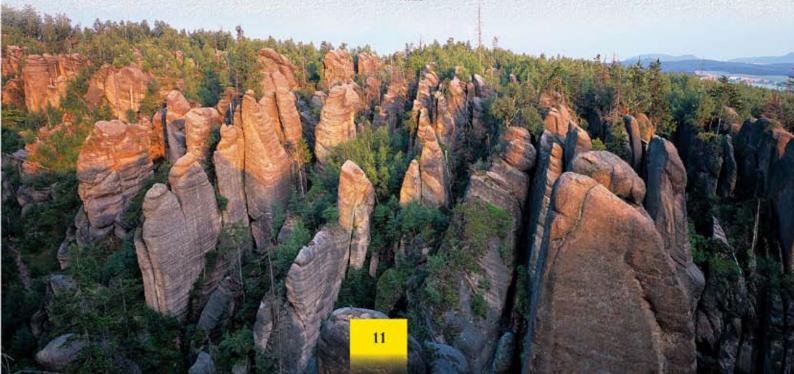
Karel Čapek: The Great Doctor's Tale

In close vicinity of the Broumov Walls there is the **Table Mountains National Park** (Stolowogórski Park Narodowy), declared in 1993. Due to its geological development it is uniquely linked with the Broumov Walls, but in Poland it is the only case of a flat geological structure.

The central landmark is the "split" Szczelinlec hill, in Bohemia rather known
as Hejšovina. It protrudes to the altitude of 919 m a. s. l., which is a
record figure among the sandstone areas in the whole Bohemian Massif. To the hilltop leads
a stairway with 665 stairs carved into the
rock. Among the rock corridors there are marks of tourist
trails. The summit of this table mountain is formed by an
oval platform with a maze of sandstone rocks. In the area
of the highest peak of the Great Hejšovina our Imagination is provoked by bizarre rock formations of Brood-Hen
(Kwoka), Elephant (Sloň), Camel (Wielbłąd), Anthropoid
(Małpolud) or we come across cold ravines, in which snow
often lies even in June. Another significant table mountain
is **Skalniak** (918.5 m a. s. l.), reaching up to the Czech border and known to us as **Bor**. The maze of the **Errant Rocks**(Błędne Skały) on it foothills belongs to the greatest attractions of the park. It is formed by rock blocks of fantastic
shapes, among which there are tangled labyrinths. Some

The rocky canyon called Kovářova rokle (Blacksmith's Ravine) in the Broumov Walls

rock defiles reach the depth of up to 12 m.





Łezyckie Skałki

To the south under the Fox Ridge (Lisi Grzbiet) of the Table Mountains (Gór Stołowych) there is the protected area of Łeżyckie Skałki. In the eastern part of the territory, there extends itself a big mountain meadow in the altitude of 740 up to 780 m. It captivates at first sight with several scattered 3 to 4 m high little rocks. These small rocks from the Miocene period came to existence due to the weathering of the upper sandstone layer.

The composition of the peat layer enables the growth of several rare flowers such as veratrum, orchis and globe-flower, which the locals call the rose of the Kladsko region. The grassy mountain plain with blooming herbs and flowers resembles a meadow prairie. Therefore it is also designated as "African savannah".

A frequent tourist destination is also the **Great Batorowskie Peatbog** (Wielkie Torfowisko Batorowskie) reserve. The entire reserve is overgrown with beautiful flora, the greatest attractions of which are rare willows and low plants. We can find here for example the longleaf pine, Saxifraga decipiens and typical marshy plants such as the black crowberry, the marsh Labrador tea, the cross-leaved heath, the fen-berry, the pod grass, the purple small reed, the cranberry, the orchis and the sundews. There also occur rare species of moss here.



The exploration trall in the Niknaca Laka peat bog



Skalne Grzyby (Rock Mushrooms)

Rock Mushrooms (Skalne Grzyby)

Rock mushrooms are situated in the northern part of the rocks of the Table Mountains between the Batorów and Karlów villages. This cluster of originally shaped rock forms is set out in the length of 2 km and the altitude of 680 - 700 m a. s. l. The small rocks have the shape of picturesque mushrooms, rods, towers, gates and even the whole rock walls. A lot of rock formations have their own names, for example Pine Mushroom, Rock Gate, Moss-grown Mushrooms, Penguins, Storey Mushrooms. Rock mushrooms are an example of the so-called selective weathering of sandstone rocks, i. e. the lower part consists of softer sandstone than the upper part. On the Czech territory we can find rock mushrooms in the surroundings of Slavné and Božanovský Špičák.



A rock maze in the Errant Rocks

Do you know that:

the highest peak is: Szczeliniec Wielki 919.2 m a. s. i.?
Here spring/flow: Metuje, the Dřevíč Brook
What you should see: Adršpach-Teplice Rocks National
Nature Reserve

Hvězda (Star) chapel

- the initial point of the Broumov Walls

Horri Ostaš rock maze

Horní Ostaš rock maze Table Mountains National Park



Along the Metuje river in search

The upper stream of the Metuje river at the village of Dedov

West of the Adršpach Rocks, not far from the village Hodkovice, there is the spring of the Metule river. According to some sources, in reality it springs in the Wolf Gorge. In older texts we can find names like Medhuje or Methuja (in Proto-Indo -European languages "medh" means "medium" - I.e. the middle river between the Upa and the Orlice, according to an old legend the name supposedly comes from the statement "med tu je", which means "honey is here"). It struggles really hard through the glens of the Adršpach Rocks right from the spring. On the upper and lower stream it forms deeply cut valleys. On its course we can find the towns of Teplice nad Metují, Hronov and Náchod like beads on a blue ribbon. Immediately behind Náchod the basin of the Metuje river becomes wider, is stony and the water flows faster. After about 4 km the stream of the Metuje river cuts into the phyllite rocks of the Peklo (Hell) Valley, on the confluence with the Olešenka it passes by the excursion settlement Peklo (Hell) with its well-known tourist shelter and further on struggles through the romantic valley. On the promontory flown round by the Metuje river from three

Do you know that ...

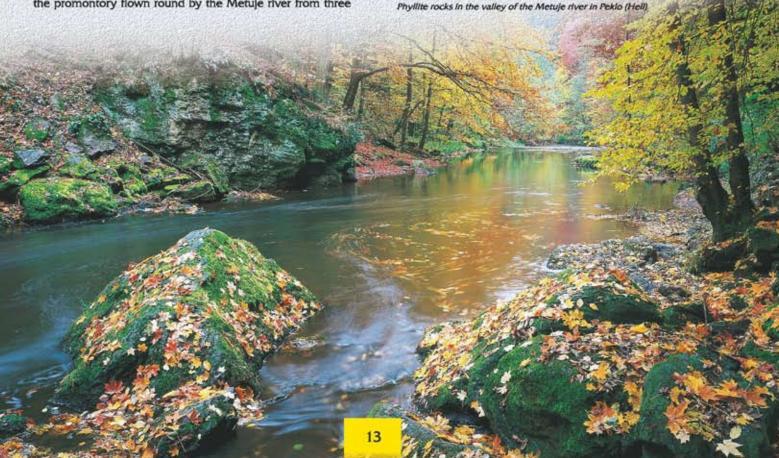
the Metuje river springs in the altitude of 586 m a. s. 1.? the confluence with the Elbe is in the altitude of

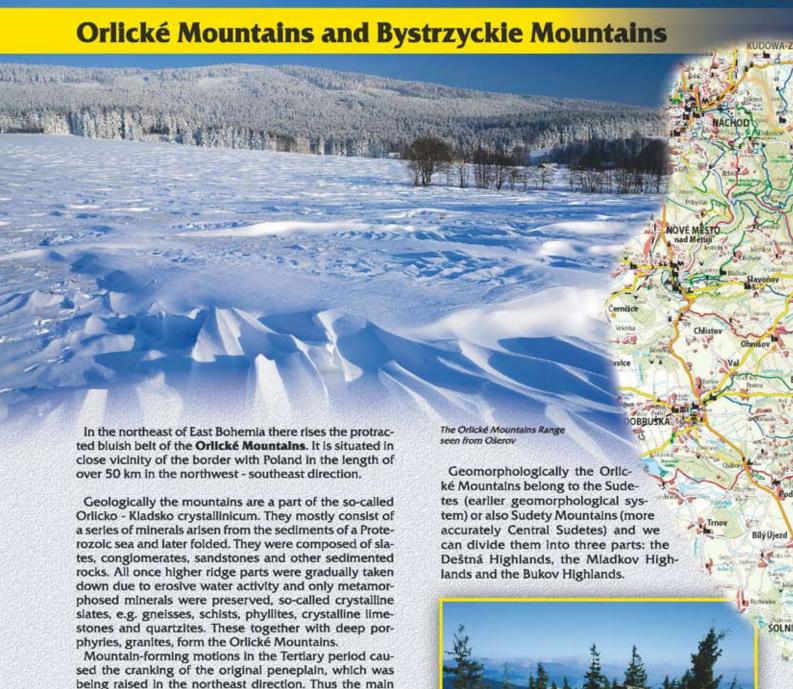
of devils to Peklo (Hell)

the length of the stream is 77,2 km. It also drains a part of the Polish territory you can find devils in Barton's Shelter Hut from the year 1911 not far from the confluence with the Olešenka?

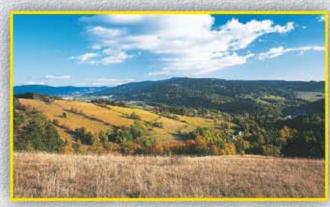
sides there shines the charming town of Nové Město nad Metuji with well-preserved ramparts, with a lot of Renalssance town houses and the chateau restored into nowadays condition within the years 1909 1940. Below Nové Město nad Metují there was ditched a new basin next to the original one, with a lot of levels with sluice-gates, which regulate the water inflow into the irrigation channels. The Old and the New Metuje reunite and separate again. About eight kilometres in front of the estuary into the Elbe, the Metuje river accepts the Rozkoš pond from the right side, on which the aforementioned Rozkoš dam reservoir was completed in 1972. Then the Metuje empties into the Elbe in Jaroměř.

The Peklo (Hell) nature reserve by Nové Město nad Metují was declared in 1997 on the territory with the measured area of 320 ha. The nature reserve protects in deeply cut valleys of the Metuje and Olešenka rivers rare species of plants and animals, which take advantage of the coldness of the clenched valley. The reserve Peklo (Hell) is enclosed by the slopes of Dobrošov, Sendražský hill and the scenery of the Koníček (Little Horse) hill. The reason for protection is the preservation of the natural forest, rock and water communities, first and foremost of beechwoods, talus forests and the flora and fauna of rock crevices, with emphasis on rare plant species. Just as Important is the protection of the characteristic topography of the deeply cut valleys of the Metuje and Olešenka rivers with the distinctive rock formations of the Nové Město phyllite with beautifully preserved examples of orogeny.

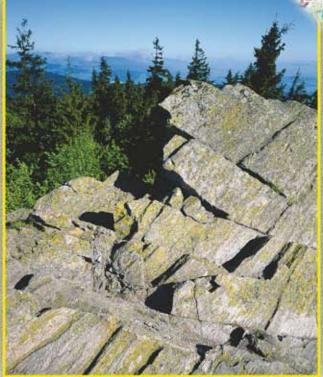




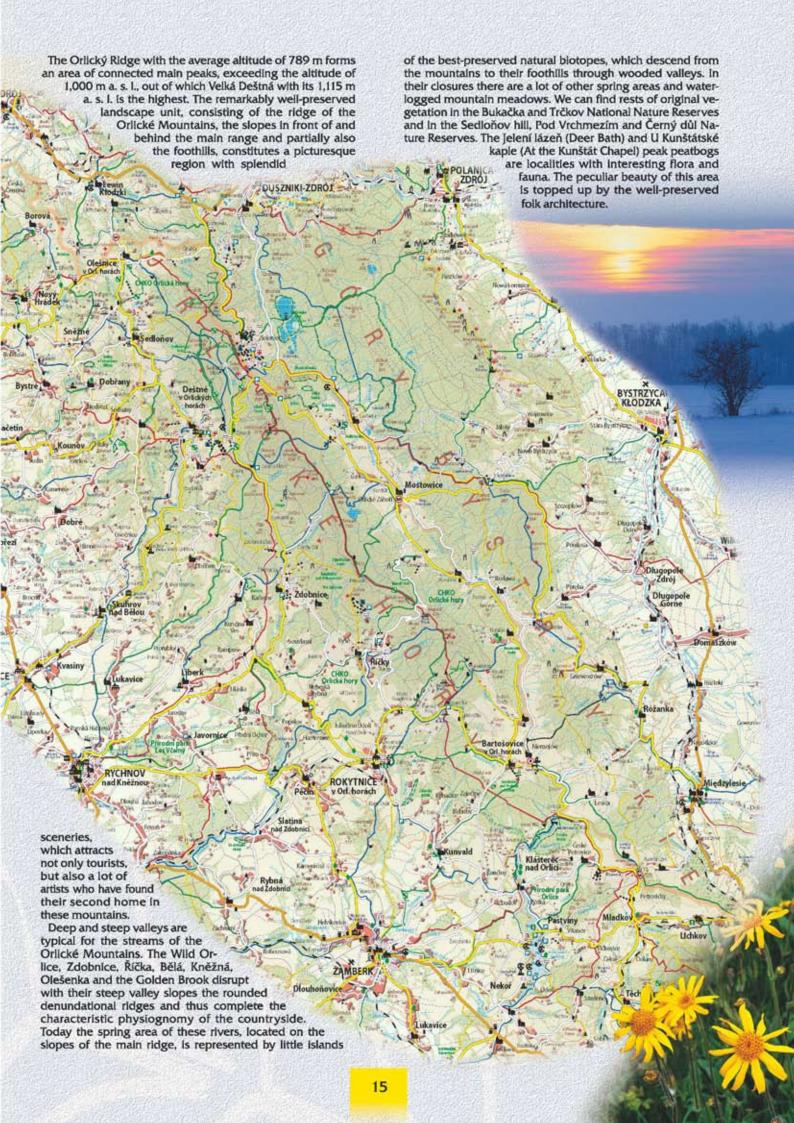
Mountain-forming motions in the Tertiary period caused the cranking of the original peneplain, which was being raised in the northeast direction. Thus the main ridge with a marked lean towards the Polish side came into existence, whereas on the Czech side the Orlické Mountains slowly decline down to the fertile Polabi lowlands, formed by the Orlice and East-Elbe Basin. This character and the lean are given exactly by the breaking and jamming of the fault block.



The Suchý Hill seen from Mladkov

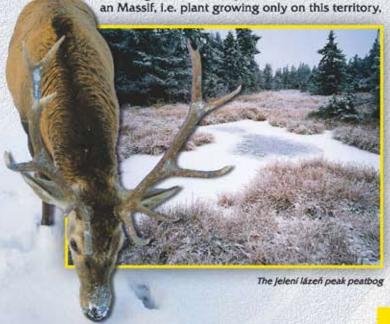


The Bradlo rock outcrops on the Suchy Hill





In spite of a relatively low altitude and not a very nutritious mineral foundation, the Orlické Mountains have a fairly rich vegetation, comprising almost a thousand species. Amongst them stands out a number of mountain types, often with a surprising frequency of occurrence. Significant plant species reach here the limit of their distribution, e.g. the northern border of the global distribution is achieved here by the Austrian leopard's bane and the alpine lovage. In microlocalities we can find the Bohemian dwarf gentian. The only endemic of the Bohemi-





Orchid meadows by Trčkov



Plants of the Austrian leopard's bane by Neratov

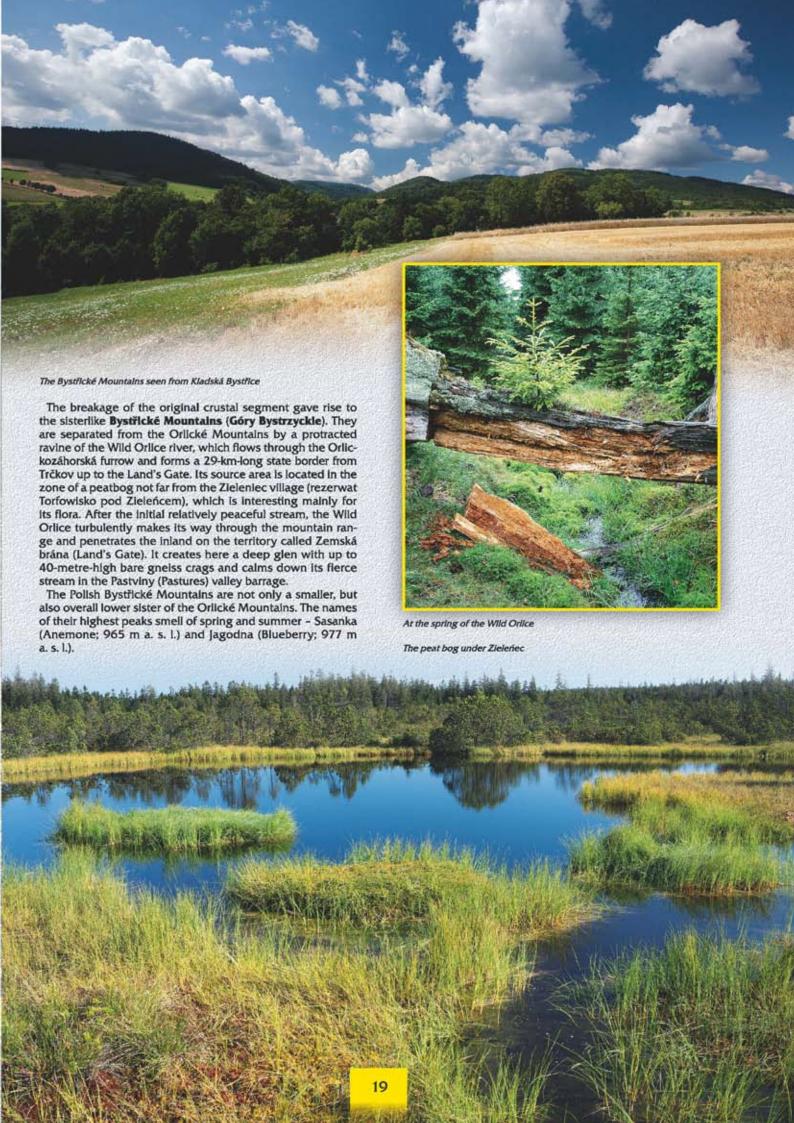
is the garden monkshood, but in the Bukačka NNR we can even find the Manchurlan monkshood.

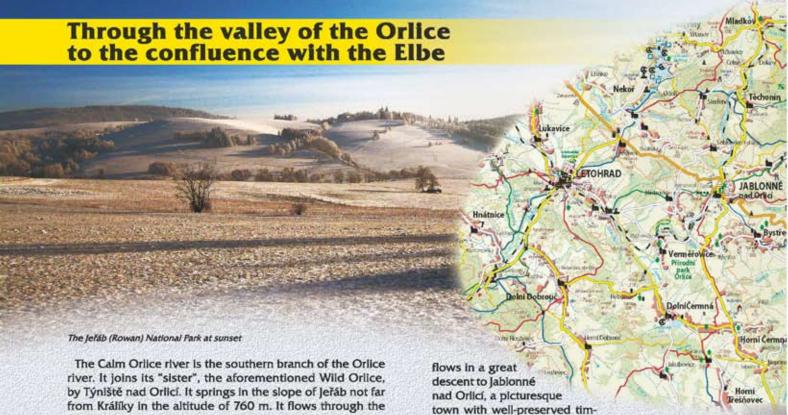
The Wild Orlice in the Zernská brána (Land's Gate) Nature Reserve



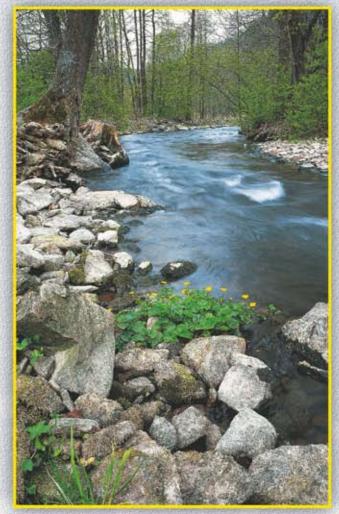




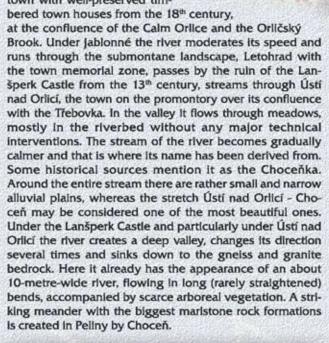




The Calm Orlice river is the southern branch of the Orlice river. It joins its "sister", the aforementioned Wild Orlice, by Týniště nad Orlici. It springs in the slope of Jeřáb not far from Králíky in the altitude of 760 m. It flows through the Kladsko basin and between Lichkov and Těchonín it Intersects the lowered ridge of the Orlické Mountains and thus it imaginarily separates the Bukovohorská Highlands with the Suchý hill from the main ridge. On the upper stream it has the character of a mountain torrent with rapids and it



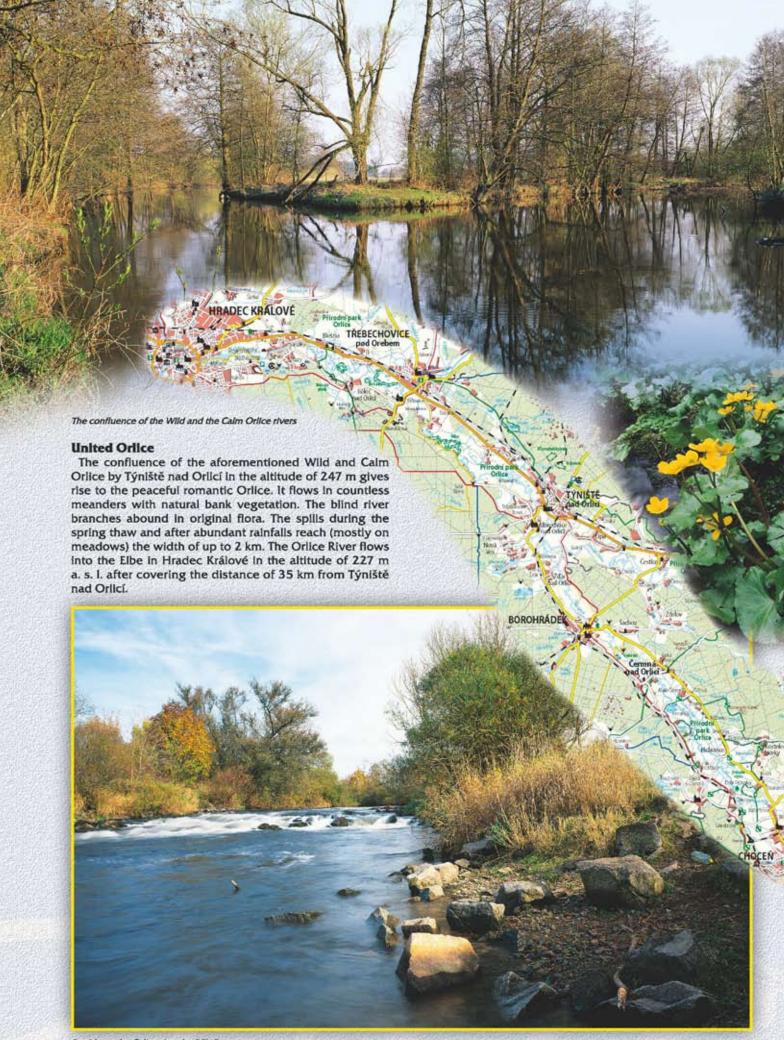
The Calm Orlice by Mladkov





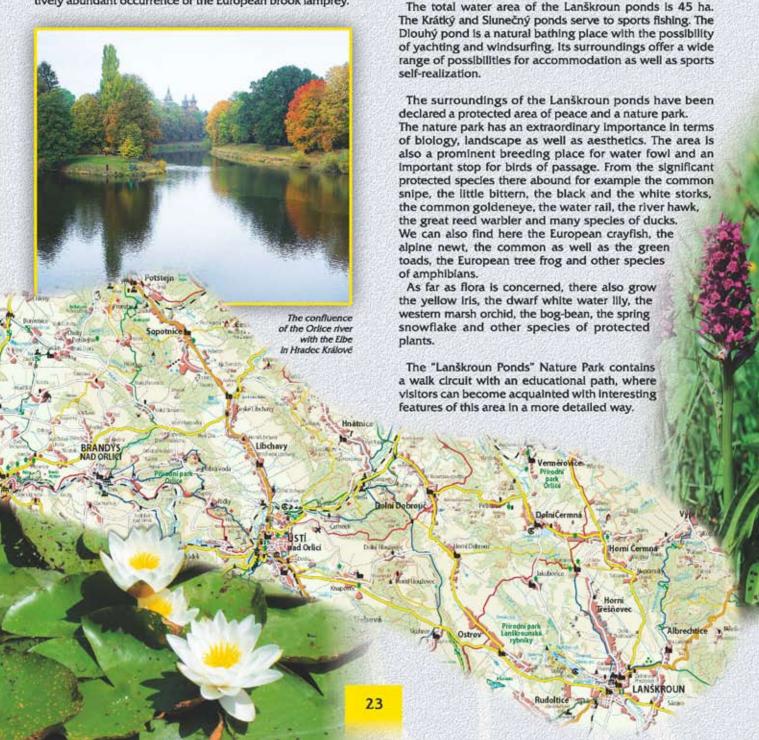
Hradiska, alluvial meadows in the valley of the Orličský Brook by Jabionné nad Orlici





Rapids on the Orlice river by Běleč

Both the streams, the Calm as well as the Wild Orlice, have been declared European Significant Localities. Right for the protection of the river, the Orlice Nature Park was established In 1996. The total length of the river streams along which the nature park was established is approximately 200 kilometres. The extensive area of more than 11,000 ha includes the valley floodplains of both the Orlice rivers, except for the spring area of the upper streams, and after the confluence by Týniště nad Orlicí also the floodplain of the united Orlice. On the Calm Orlice the park begins at the village of Mladkov, on the Wild Orlice under the Land's Gate on the borders of the Orlické Mountains Protected Area. The nature park ends in the cadastre of the town of Hradec Králové, at the place where the Orlice stream is spanned by a municipal ring road. The purpose of the nature park is to protect the well-preserved river and floodplain ecosystems and the overal character of the landscape surrounding the stream. The Calm, Wild and united Orlice belong to those few Czech rivers that have not been regulated in long sections on their lower streams. They have a natural and further developing character. There are numerous meanders, blind branches, drifts and bare banks. On the middle stream both the Orlice rivers have a typical submontane character. The stream of the Calm Orlice has the status of a European Significant Locality due to a relatively abundant occurrence of the European brook lamprey.



A view over the surface of the Dlouhý pond

The "Lanškroun Ponds" Nature Park was declared in the

year 1990. It is situated west of Lanškroun in the territory

of the pond system on the Ostrovský Brook on the area of 243 ha.

It is composed of the Olšový, Pšeničkův, Slunečný and

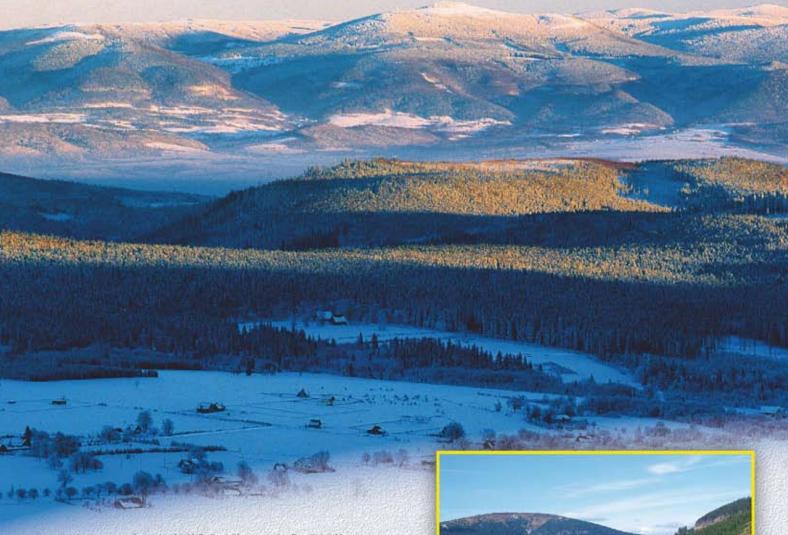
Plockův Ponds with surrounding forrest stands. The park

closely neighbours on the suburban, recreationally used

Lanškroun ponds

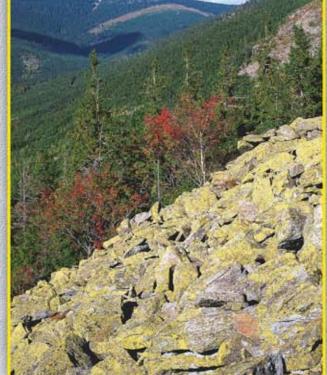
area of the Dlouhý pond.

Sněžník Massif

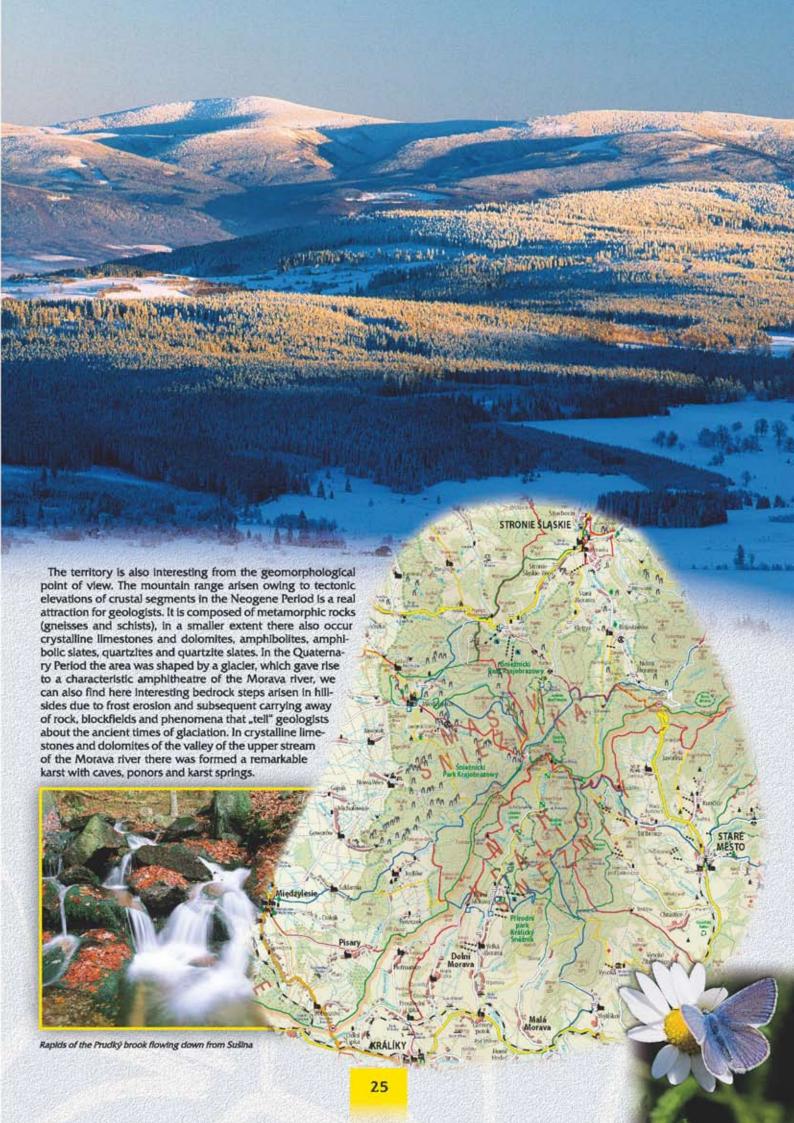


A view seen from the Malá Deštná Mt., over the Bystřické Mountains to the massif of Králický Sněžník

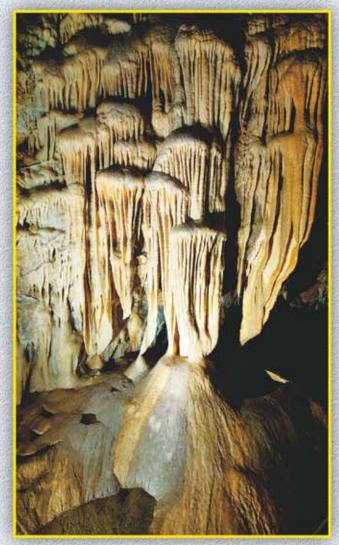
If we look around over the Kłodzko Basin (Dolina Kłodzka), our eyesight stops at the massif of Králický Sněžník (1,424 m a. s. l. - the Polish maps indicate 1,425 m). Králický Sněžník is the third highest mountain chain in the Czech Republic and forms the boundary among Bohemia, Moravia and Kłodzko. The highest peak provides a unique view in all directions - of Hrubý Jeseník, the Orlické Mountains as well as the Kłodzko Basin In Poland. Over the peak runs the Czech - Polish border and about 400 m southeast of the baby elephant statue a landmark is laid. The statuette of the elephant calf not far from the bottom of the former Liechtenstein Cottage is a nowadays symbol of Králický Sněžník. The area with the rarely wellpreserved nature is intersected by educational paths leading from the Lower Morava and Stříbrnice up to the top of Králický Sněžník. Its massif in the altitude of 1,380 m a. s. l. is the place where the Morava river springs. In the year 1990 a national nature reserve was declared here on the area of 1,694 ha. It is located in the central and upper part of the mountain range bearing the same name in the altitude of 820 - 1,424 m. The purpose of the reserve is the protection of natural and closeto-nature communities bound to the geological base and the relief of the mountain massif. There are subalpine communities of the peak unstocked areas represented here, in the peak altitudes below the upper forest border the fragments of the orgininal forest stands with the local ecotype of spruce and peak peat bogs have been preserved.



A blockfleld on the slopes of Velka Morava with the peak of Sněžník







Dripstone decoration in the Medvědí (Bear) Cave (Jaskinia Niedzwiedzia)



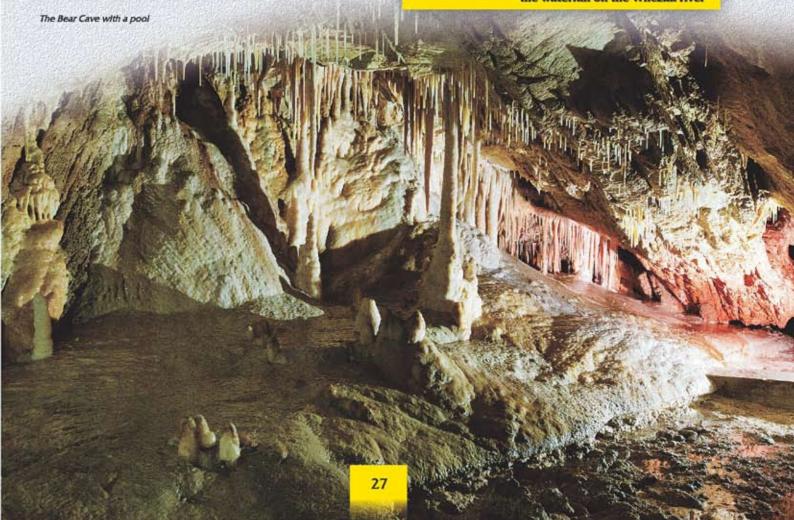
A blockfield on the hillside of the Klepy hill

However, the Klepý hill (1,143 m a. s. l.) on the border with Poland reaches the greatest European significance. On maps it is also designated as Trójmorski Wierch (Hill of Three Seas), which precisely depicts its importance. The water from its peak flows into three seas – the Black, North and Baltic Seas. When it rains, many a time just a few centimetres decide about which sea the water is going to flow to. Therefore Králický Sněžník is often poetically called the "roof of Europe". Another such place we could find as far as in the southeast of Switzerland on the peak of the Bernina (4,049 m a. s. l.).

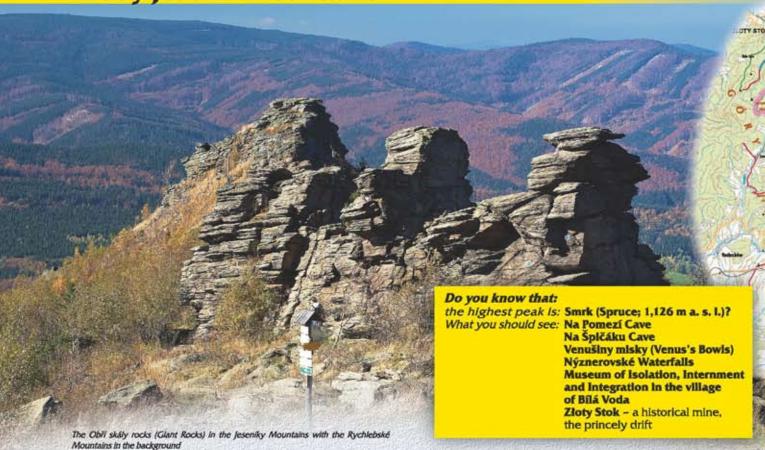
Do you know that:

the highest peak is: Králický Sněžník 1424 m a. s. l.? Here springs/flows: the Morava river

What you should see: the lookout tower on the Klepý hill the lookout tower on the hill of Val by Králíky the source of the Morava river Bear Cave the waterfall on the Wilczka river



Rychlebské Mountains, Zlaté Mountains (Góry Złote), Hrubý Jeseník Mountains



Rychlebské Mountains

On the northeastern edge of the Sudeten mountain chain, which lines our northern borders, one of its least known and the most desolate parts, the Rychlebské Mountains, is located. We can find them in the Javornický promontory, north-east of the town of Jeseník. The border mountain range stretches along between Bílá Voda at the very tip of the promontory and Ostružná. The average altitude of the Rychlebské Mountains is approximately 645 m a. s. i. and the mountain range is situated on the area of 276 km². Their name is derived from the old designation of the Polish town of Złoty Stok ("golden slope"), in German Reichenstein, hence Rychleby in Czech.

The highest peak of the Rychlebské Mountains is the Smrk (Spruce) Mountain (1,126 m a. s. l.) rising in the southern part of the mountain chain in the proximity of Razmovské Saddle. The altitude between 900 and 1,000 m a. s. l. is reached by 16 peaks and 15 spot heights are even higher than 1,000 m (they are predominantly on the ridge between Smrk and the Kladské Saddle).

Thanks to the rich geological past of the Rychlebské Mountains it is possible to find there a great number of interesting rocks and minerals. What is definitely worth seeing is the Na Pomezí Cave with rich dripstone decoration arisen in snow-white limestones or the nearby crevice cave called Na Špičáku close to the border with the Zlatohorská Highlands, the dripstone decoration of which was unfortunately damaged not only by man, but mainly by torrential waters of the melting continental glacier at the end of the last glacial period.

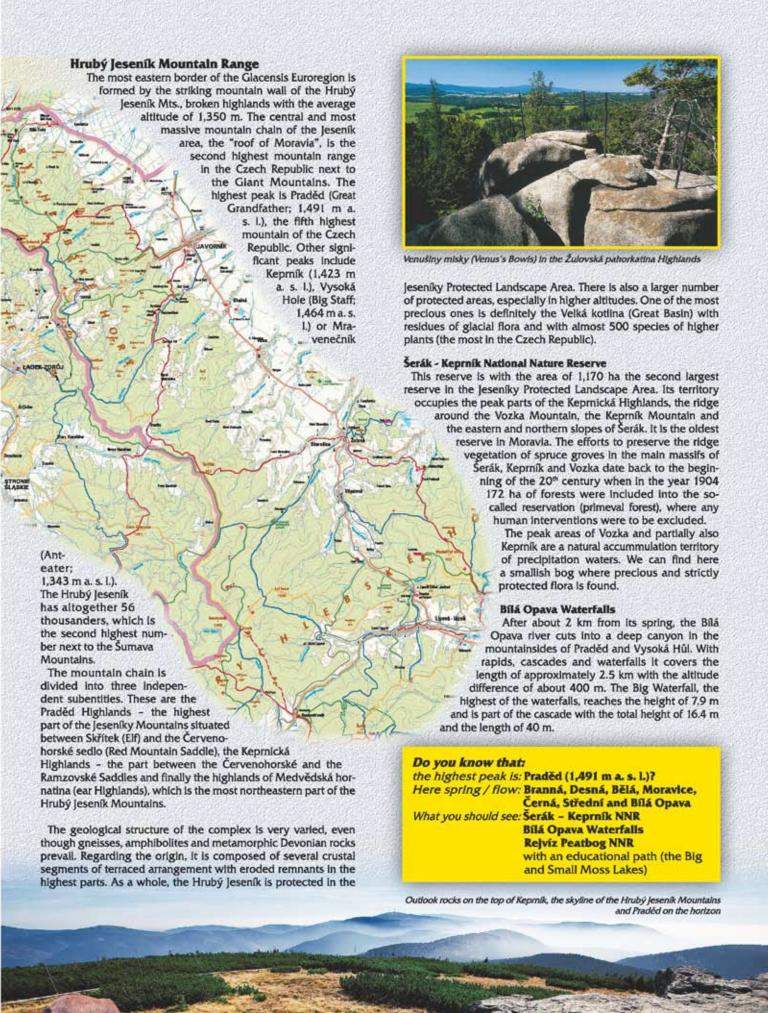
On the Polish side we recommend a visit to the spring area of the Biała river, where there is the Puszcza Śnieżnej Białki Nature Reserve.

The Natural Monument of Nýznerovské Waterfalls or the Stříbrný potok Brook Waterfalls (declared in 1968) is a cascade system of waterfalls in the wild canyonlike gorge of the Stříbrný potok brook (Silver Brook) above the tributary of the Bučinský potok brook at the village of Nýznerov. The gorge is about 110 m long with a lot of rock thresholds creating several waterfalls and cascades with the total superelevation of 14 m. The highest waterfall is about 3 m high. The Silver Brook has also hollowed numerous rock bowls, kettle holes and giant pots in its riverbed.

In Žulovská Hilly Land on the Smolný hill (404 m a. s. l.) there lies a rock town called Venušiny misky (Venus's Bowls). Due to the spheric separationability of granite we can find here peculiar rock formations (bowls, seats, niches), which are worth climbing to the top. Although they are a result of the activity of water and wind, in the past a mythical significance was attributed to them. What captures our attention on the steep walls are unusual vertical rock formations – grooved furrows.



Ĉertova kazatelna (Devil's Pulpit) Natural Monument in the Rychlebské Mountains



Wysoczyna Ziebicka (Wzgórza Niemczańsko



The correct term from the geographical point of view is the Krkonošsko-jesenické podhůří (Glant Mountains-Jeseníky submontane territory). The altitude most often ranges from 200 to 390 m a. s. l.

The Wzgórza Strzelińskie Highlands belong to the Wzgórza Niemczańsko-Strzelińskie complex (in Polish: mesoregion) and form its larger and higher part, whereas its section near the town of Niemcza is lower, yet richer in natural curiosities.

The hilly area consists of a picturesque arrangement of rather low hills which spread between the towns of Strzelin



The Zameczny Stream meandering in the reserve

Do you know that:

the highest peak is: Gromnlk (393 m a. s. l.)? What you should see: Wojsławice Arboretum

Skałki Stoleckie Nature Reserve Muszkowicki Las Bukowy (Muszkowicki Beech Forest)

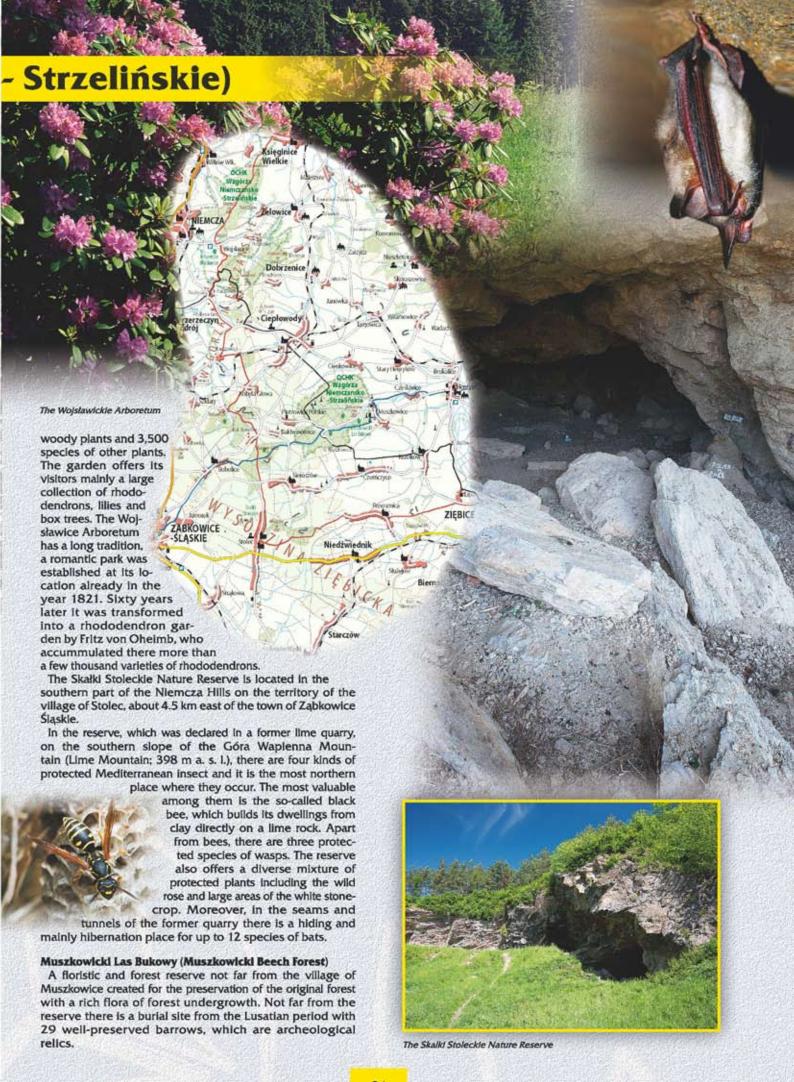
and Ziebice, about 40 kilometres south of Vratislav. Although the peaks reach the altitude of 180 - 220 m (they culminate in the altitude of 393 m a. s. l.), their steeper hillsides give them a mountaneous character.

The highest peaks of the hilly area are approximately in the middle of the ridge, which maintains its meridian direction. The highest of all is Gromnik (393 m a. s. l.), then Kalinka (386 m a. s. l.) and Nowoleska Góra (New Forest Mountain; 383 m a. s. l.). Geologically we can find here predominantly metamorphic rocks, shales, quartzites, amphibolites as well as limestones, intersected by veins of Carboniferous as well as Permian igneous rocks (granites and granodiorites). From time to time there occur even traces of precious minerals and crystals. On the whole territory we can find remainders of the exploitation of local rocks, quarries, which are sometimes flooded and thus form small romantic lakes, but also lime kilns.

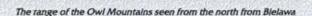
What is surely worth visiting is the Wojsławice Arboretum, the Skalki Stoleckie Nature Reserve and the beech forest at the village of Muszkowice.

The Wojsławice Arboretum

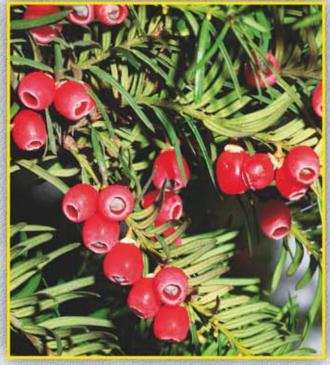
represents one of the most significant dendrological gardens in Lower Silesia. Wojsławice is situated near the town of Niemcza. The arboretum takes up the area of over 65 hectares and there grow roughly about 2,500 species of



Bardzkie Mountains and Owl Mountains



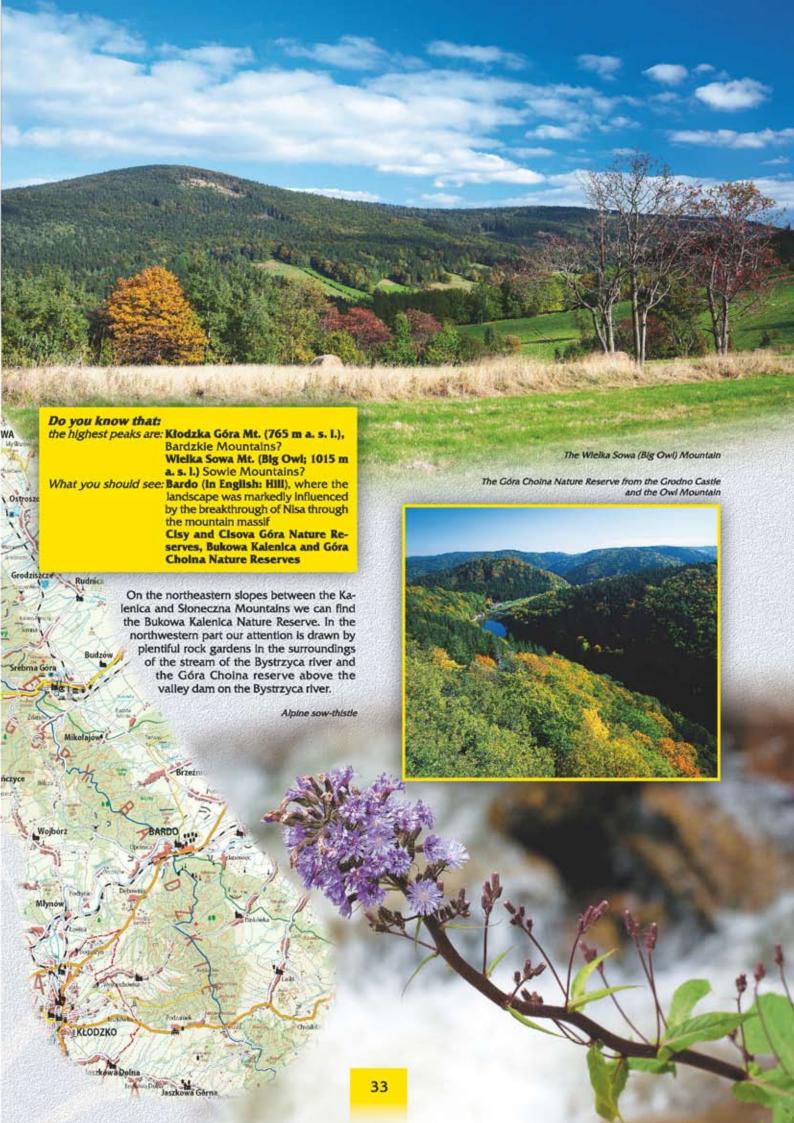
The Bardzkie Mountains, in Polish Góry Bardzkie, represent a mountain chain with the total length of 18 km, lying in the Middle Sudeten between the Owl Mountains in the northwest (Przełęcz Srebrna 585 m a. s. l.) and the Zlaté (Golden) Mountains in the southeast (Przełęcz Kłodzka 475 m a. s. l.). The mountain ridge is divided by the Nysa Kłodzka river almost in the middle and thus their norhern and southern parts are formed. This smallish, but really picturesque mountainous area is composed first and foremost of sandstones and conglomerates and its geological structure reminds us of distant processes during the formation of high massifs, but also of erosion and glaciation. The lowish peaks imbue the mountain range with unrepeatable and even fairytale-like character, so to say, particularly in the area of the breakthrough of the Nisa river (Nysa Kłodzka). On the territory of the mountain range we can also find two important reserves: the "Clsy" (Yew) and "Cisowa Góra" (Yew Mountain) reserves. Both of them are registered as forest reserves and they protect - as is obvious from the name - the natural habitats of yew trees.



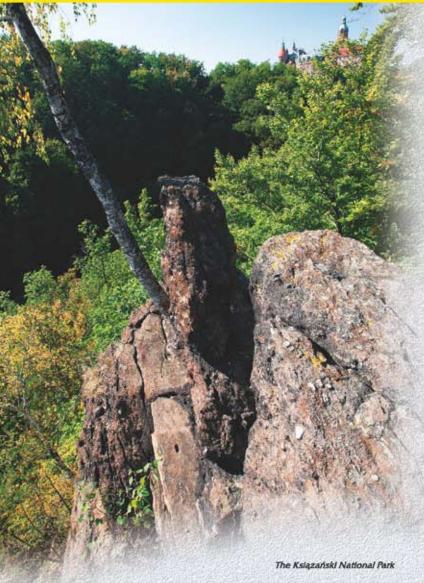
Berries of the European yew

The Owl Mountains. in Polish Góry Sowle, on the territory of which the "Park Krajobrazo-NOWA wy Gór Sowich" (Owl 1 RUDA Mountains Landscape Park) was declared in the year 1991, are a destination for tourists of varied orientations. Apart from common tourist attractions, amongst which we can mention the lookout towers on the highest peak of the Owl Mountains - on the Big Owl (In Polish: Wielka Sowa) - In the altitude of 1,015 m a. s. l. and on the Kalenica Mountain from the top of which there is a splendid spheric view not only of the surroundings, but also of more distant regions (from the Glant Mountains up to Silesia and the Polish inland), the Owl Mountains also attract history lovers with their extensive underground complex from the time of the Second World War. Its Importance has not been accurately explained yet, the considered possibilities include the building of Hitler's main headquarters or the building of a secret weapons The mountain chain stretches from the Przełęcz Srebrna

Pass (585 m a. s. l.) In the south east, where the aforementioned Bardzkie Mountains end, in the northwestern direction towards the valley of the Bystrzyca river. The northeastern base of the mountains, unlike the southwestern one, is rather distinctively bordered. The whole mountain range is mainly composed of gneisses and migmatites estimated to be about 2.5 billion years old and according to experts ranking among the oldest rocks in Poland.



Wałbrzyskie Mountains and our Javoří Mountains



The Walbrzyskle Mountains represent an area stretching in the length of 35 km from the northwest from the Bobr Valley towards the southeast into the valley of the Bystrzyca river. They consist of three independent parts of the Trójgarb Mountain (779 m a. s. l.), the massif of the Chelmiec Mountain (851 m a. s. l.) and the Czarne (Black) Mountains. The highest peak here is the Borowa Mountain (853 m a. s. l. - sometimes also called Czarna).

North of the town Wałbrzych between the towns of Szczawno - Zdrój and Świebodzice there is a lower part of the mountain chain (the highest peak reaches the altitude of 431 m a. s. l.), which is practically included as a whole in the Książański National Park. Picturesque nature sceneries are dominated by the Książ Chateau with its charming park.

Stone Mountains and Javoří Mountains

South of the Wałbrzyskie Mountains along the border between Poland and the Czech Republic there are the **Stone Mountains** (in Polish Góry Kamienne), which are called **Javoří Mountains** on the Czech side.

The highest peak on the Polish side is Wallgóra (936 m a. s. l.), whereas on the Czech side it is Ruprechtický Špičák (881 m n. m.) lying right on the border. In the entire area of the Stone as well as Javoří Mountains there are a lot of places with a scenic view of the surroundings. It is interesting that in spite of the closeness of sand-

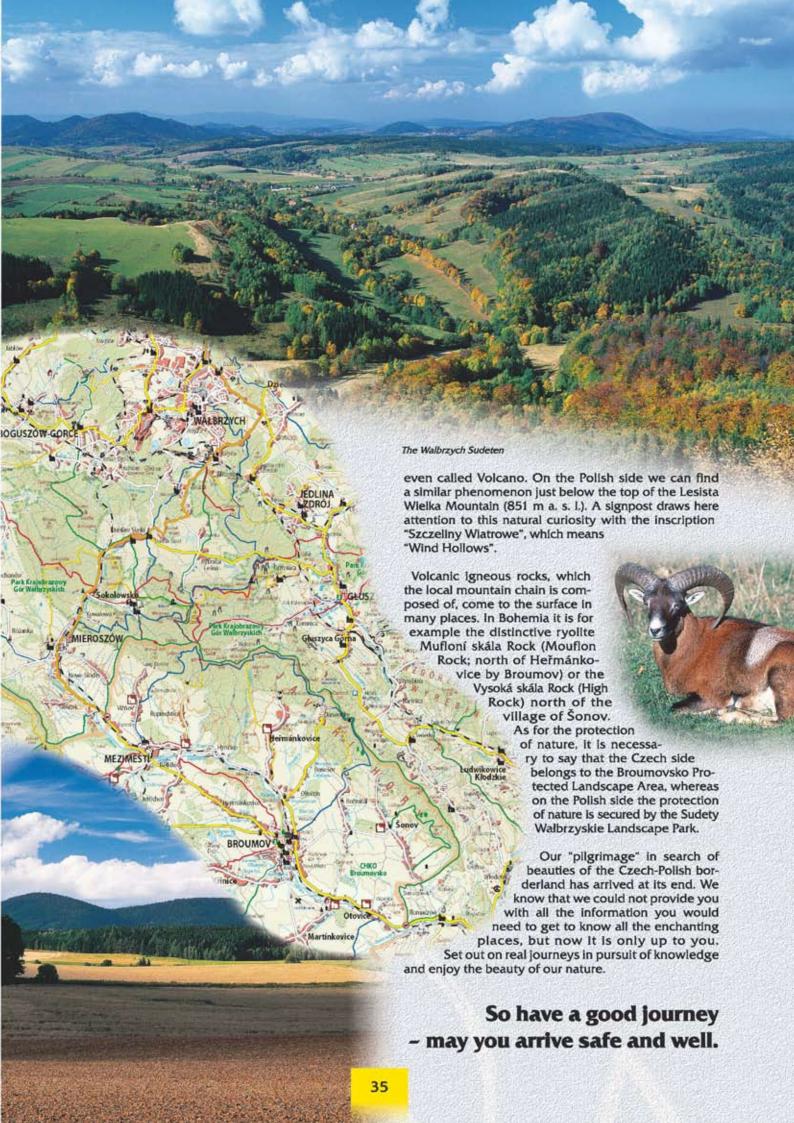


The Stone Mountains (Góry Kamienne) seen from Sokolowska

stone rocks these mountain ranges are mostly composed of igneous rocks, primarily tuffs and melaphyres. It is due to the fact that these mountain ranges are actually just small rests of a once probably massive Paleozoic vulcano, the same as it is in the case of the Vraní Mountains. In several places we can see here an interesting phenomenon at the beginning of winter, when hazy clouds rise from the rocks and rock debris. The reason for this is that the crevices form narrow, a fewmetre-deep crevasses, arisen due to the movement of disturbed rocks (here mostly ryolite), which turn into an underground system of impenetrable rifts and detritus, where warm air accummulates over summer and then on frosty days leaks as a misty draught from upper openings, which have been called "Wind Hollows" since the Middle Ages (from the German Windlöcher).

At first sight it may seem to us to be a volcano. Most often we can observe this interesting phenomenon in the area around the peak of Homole (648.6 m a. s. l.) not far from the village of Sonov, which is sometimes

The Javofi Mountains from Jetfichov



The most significant flora in the Glacensis Euroregion



Mountain arnica (Arnica montana)



Spring snowflake (Leucojum vernum)



Siberian iris (Iris sibirica)



Common spotted orchid (Dactylorhiza fuchsii)



Bohemian dwarf gentian (Gentianella praecox subsp. boh.)



Willow gentian (Gentiana asciepiadea)



Elder-flowered orchid (Dactylorhiza sambucina)



Dark red helieborine (Epipactis atrorubens)



Marsh helleborine (Epipactis palustris)



Turk's cap Illy (Lillum martagon)



Early purple orchid (Orchis mascula)



Alpine sow-thistle (Cicerbita alpina)



Purple foxglove (Digitalis purpurea)



European columbine (Aquilegia vulgaris)



Western marsh orchid (Dactylorhiza majalis)



Burnt-tip orchid (Orchis ustulata)



Marsh Labrador tea (Ledum palustre)



Round-leaved sundew (Drosera rotundifolia)



Fen ragwort (Senecio paludosus)



Lady's slipper orchid (Cypripedium calceolus)



Common snowdrop (Galanthus nivalis)



Lesser butterfly-orchid (Platanthera bifolia)



Mountain pansy (Viola lutea subsp. sudetica)



Bearded belifiower (Campanula barbata)



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