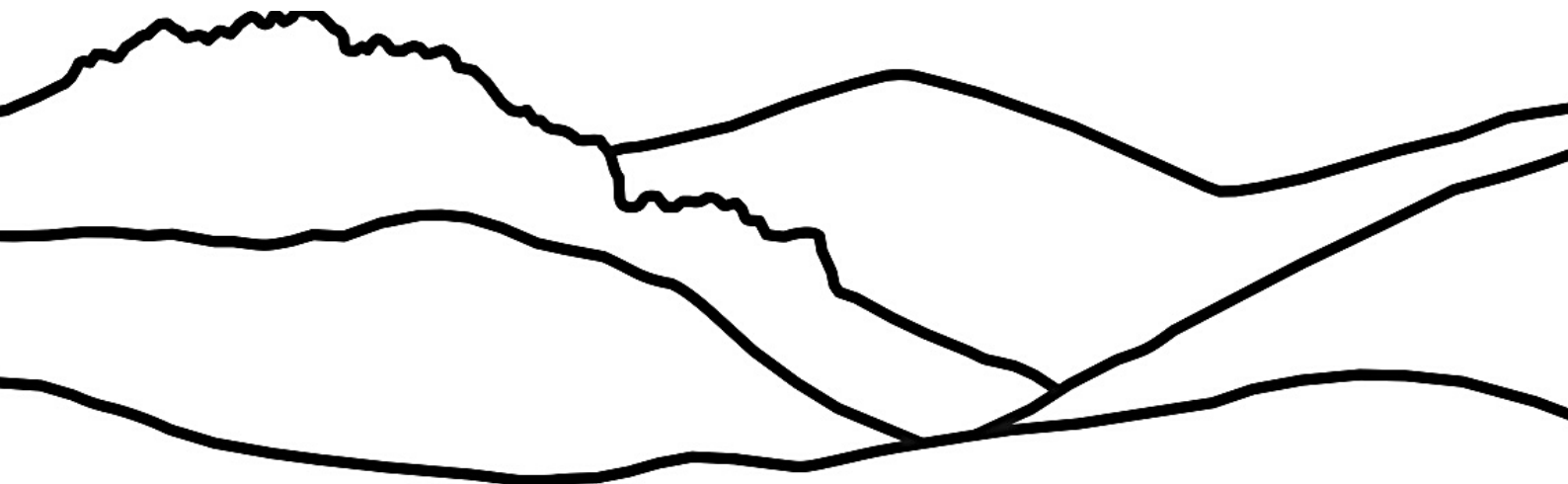


September 22-25, 2021 | Terchová

CETEG 2021

C O N F E R E N C E P R O G R A M



TUESDAY 21.9.2021

16:30 – 18:30	REGISTRATION	RECEPTION
18:30 – 19:30	DINNER	RESTAURANT
19:30 – 20:30	REGISTRATION	RECEPTION

WEDNESDAY 22.9.2021

8:30 – 17:00	PRE-CONFERENCE EXCURSION <i>Cretaceous nappe structure and Variscan basement granitoids of the Malá Fatra Mts</i> <i>Guided by D. Plašienka & I. Broska</i>	
15:30 – 17:30	REGISTRATION	RECEPTION
18:00 – 19:00	DINNER	RESTAURANT
20:00 – 08:00	ICE-BREAKER WELCOME PARTY	RESTAURANT

THURSDAY 23.9.2021

8:45 – 9:00	OPENING CEREMONY	CONFERENCE ROOM
-------------	-------------------------	-----------------

CRETACEOUS NAPPE STRUCTURE AND VARISCAN BASEMENT GRANITOIDS OF THE MALÁ FATRA MTS Chair: Vojtěch Janoušek

9:00 – 9:30	Keynote lecture - <u>M. KOHÚT</u>, <u>I. BROSKA</u>, <u>I. PETRÍK</u> & <u>P. UHER</u>: The Variscan granitic magmatism of the Western Carpathians: Evolution within the subduction and collision stages	
9:30 – 9:45	<u>I. BROSKA</u>, <u>M. SVOJTKA</u>, <u>M. JANÁK</u>, <u>M. KUBIŠ</u>, <u>S. KURYLO</u>, <u>M. HRDLIČKA</u>, <u>M. MARASZEWSKA</u> & <u>P. KONEČNÝ</u>: Syn-tectonic granitic magmatism with possible linkage to Variscan slab break off detected in the Western Carpathians (Malá Fatra Mts.)	
9:45 – 10:00	<u>R. CALLEGARI</u>, <u>B. CESARE</u> & <u>O. BARTOLI</u>: Study of nanogranites included in garnets from the Valpelline Series (Australpine Domain, Western Alps)	
10:00 – 10:30	COFFE BREAK+POSTER SESSION	BAR+CONFERENCE ROOM II

PETROLOGY AND TECTONICS OF HP-UHP AND HT COMPLEXES Chair: Shah Wali Faryad

10:30 – 11:00	Keynote lecture - <u>J. MAJKA</u> & <u>M. JANÁK</u>: Subduction-collision and exhumation processes in the Arctic Caledonides – petrological proxies from HP rock complexes	
11:00 – 11:15	<u>J. KULHÁNEK</u>, <u>S. W. FARYAD</u>, <u>R. JEDLIČKA</u> & <u>M. SVOJTKA</u>: Mass balance of Y+REE during atoll garnet formation in eclogite facies rocks	
11:15 – 11:30	<u>P. PITRA</u>, <u>M. POUJOL</u>, <u>J. VAN DEN DRIESSCHE</u>, <u>E. BRETANGE</u>, <u>C. LOTOUT</u> & <u>N. COGNE</u>: Deceptive zircon REE patterns and U-Pb dates from migmatite-hosted eclogites (Montagne Noire, France)	
11:30 – 11:45	<u>S. CUTHBERT</u> & <u>A. WŁODEK</u>: Eclogite-facies granitoid gneisses in the Western Gneiss Region giant (U)HP terrain, Norway: The role of water and implications for buoyancy during transient subduction of continental crust	
11:45 – 12:00	<u>I. S. M. CARTER</u>, <u>S. CUTHBERT</u>, <u>K. WALCZAK</u> & <u>J. MAJKA</u>: U-Pb dating of zircon from the Northern Swedish Caledonides used to investigate the tectonic evolution of oceanic terranes in Iapetus	
12:00 – 13:30	LUNCH BREAK	RESTAURANT

VARISCAN AND PRE-VARISCAN EVOLUTION
Chair: Ralf Schuster & Pavel Pitra

- 13:30 – 13:45 **V. JANOUŠEK, J. M. HORA, J. E. KOČERGINA, T. MAGNA, A. TABAUD, A. ANDRONIKOV, S. COUZINIÉ & F. V. HOLUB †:** *Cryptic crustal growth in European Variscan Orogen: evidence from ultrapotassic plutonic rocks of the Bohemian Massif*
- 13:45 – 14:00 **P. HOLÁ, M. RACEK, P. JEŘÁBEK, M. SVOJTKA & L. ACKERMAN:** *Geochronological, geochemical and petrological constrains on magmatic and metamorphic evolution of the metagabbros from the Western part of the Teplá-Barrandian Unit, Bohemian Massif*
- 14:00 – 14:15 **M. JOUVENT, O. LEXA, P. JEŘÁBEK & V. PEŘESTÝ:** *Geochronological constraints on the deformation of the metasediments surrounding high-grade rocks of Erzgebirge Mts. (Saxothuringian unit, Bohemian Massif)*
- 14:15 – 14:30 **S. MAZUR, P. ALEKSANDROWSKI, L. GAĞAŁA, P. KRZYWIEC, R. SIKORA, J. ŻABA & K. GAIDZIK:** *Late Paleozoic strike-slip tectonics at the SW outskirts of Baltica versus oroclinal bending of Central European Variscides*
- 14:30 – 14:45 **T. ZELINKOVÁ & M. RACEK:** *Metamorphic and metasomatic evolution of the intermediate and mafic granulites at the interface between felsic granulites and garnet pyroxenites (Dunkelsteiner Wald granulite massif, Bohemian Massif)*
- 14:45 – 15:00 **F. HROUDA:** *On the origin of similar magnetic fabrics in crystalline rocks of the Silesicum and sedimentary rocks of the Rhenohercynian Zone of the NE Bohemian Massif*
- 15:00 – 15:15 **I. SOEJONO, J. SLÁMA, K. HRDLIČKOVÁ, P. HANŽL, J. KONOPÁSEK, J. MÍKOVÁ & K. SCHULMANN:** *Detrital zircon U–Pb ages and Hf isotopic record in the Precambrian metasedimentary sequences of the Brunovistulicum: constraints on pre-collisional crustal evolution*
- 15:15 – 15:30 **O. LEXA, P. JEŘÁBEK, M. JOUVENT, J. KRYL & V. PEŘESTÝ:** *Internal architecture of the Saxothuringian Unit – a possible result of two orthogonal deformation events*
- 15:30 – 16:00 **COFFE BREAK+POSTER SESSION** BAR+CONFERENCE ROOM II

SEDIMENTARY BASIN FORMATION, NEOGENE MAGMATISM AND METALLOGENY
Chair: Pavla Štípská

- 16:00 – 16:30 **Keynote lecture - M. ŠUJAN, S. RYBÁR, M. KOVÁČ, J. MINÁR, P. NOVÁKOVÁ & J. KOTULOVÁ:** *Syn-rift, post-rift and inversion stages of the Danube Basin recorded by changing depositional systems*
- 16:30 – 16:45 **L. FODOR, A. BALÁSZ, G. CSILLAG, I. DUNKL, G. HÉJA, P. KELEMEN, S. KÖVÉR, A. NÉMETH, D. NYÍRI, Z. RUSZKICZAY-RÜDIGER, I. SELMECZI, M. TRAJANOVA & M. VRABEC:** *Migration of deformation, subsidence, and basin formation in the SW Pannonian basin and the transition to the neotectonic phase*
- 16:45 – 17:00 **B. SCHERMAN, L. FODOR, S. KÖVÉR, B. ROŽIČ & Á. GÖRÖG:** *Transition from platform to basin: mapping observations at the surroundings of the Krvavica Mountain, Sava fold region*
- 17:00 – 17:15 **Z. MAŁOLEPSZY, E. SZYNKARUK & M. TOMASZCZYK:** *The 3D model of the sedimentary cover of the Gorzów Block*

17:15 – 17:45 **Keynote lecture - I. PAVIČIČ, R. VOJTKO, I. PAVLIN, P. ŽITŇAN, J. LEXA, J. PRCÚCH, P. KODĚRA, M. CHOVAN & A. KUBAČ:** *Structural control and three-dimensional geological modelling of the epithermal Au-Ag deposit of Banská Hodruša (Štiavnica Stratovolcano, Slovakia)*

17:45 – 19:00 **POSTER SESSION** CONFERENCE ROOM II

19:00 **DINNER** RESTAURANT

FRIDAY 24.9.2021

OUTSIDE EUROPE Chair: Stanisław Mazur

9:00 – 9:15 **T. SUKHBAATAR, K. SCHULMANN, I. SOEJONO, A. LEXA, D. SON, W. XIAO, O. DASHDORJGOCHOO, J. MÍKOVÁ & J. HORA:** *The Ediacaran active margin along the north-eastern Baidrag block (Bayankhongor Ophiolite Zone, western-central Mongolia)*

9:15 – 9:30 **M. ABDELHADI BADAWI:** *Tectonic implication of the Fatira shear zone at Wadi Barud area, Eastern Desert, Egypt*

9:30 – 9:45 **P. ZÁVADA, K. SCHULMANN, O. LEXA, M. MACHEK, Z. KRATINOVÁ, V. KUSBACH, J. URAI & G. DESBOIS:** *Anisotropy of magnetic susceptibility as a tool for understanding deformation of salt – example of a structural record in Kuh-e-Namak (Dashti) salt diapir in Iran*

9:45 – 10:00 **M. KROBICKI & J. GOLONKA:** *Geotectonic position of the Lhasa Block during Early Jurassic time from paleobiogeographical perspective*

10:00 – 10:30 **COFFE BREAK** BAR

INNER AND CENTRAL WESTERN CARPATHIAN ZONES Chair: Jarosław Majka

10:30 – 11:00 **Keynote lecture - S. W. FARYAD, P. IVAN & R. JEDLIČKA:** *Spatial and temporal relations of high-pressure metamorphic events in the geodynamics of the Western Carpathians*

11:00 – 11:15 **R. SCHUSTER, CH. IGLSEDER, M. REISER & D. GALLHOFER:** *The easternmost part of the Silvretta-Seckau Nappe System (Austroalpine Unit, Styria/Austria) and its relation to the Central Western Carpathian Unit*

11:15 – 11:30 **É. ORAVECZ, G. HÉJA & L. FODOR:** *Salt tectonics in the Inner Western Carpathians (Silica Nappe, Aggtelek Hills): investigating the role of inherited Triassic salt structures during the Alpine deformation*

11:30 – 11:45 **N. NÉMETH, C. BALASSA & F. KRISTÁLY:** *Structural controls of fenitic alteration in the Bükk Mts, NE Hungary*

11:45 – 12:00 **T. POTOČNÝ:** *Various deformation mechanisms and recrystallization conditions of Meliatic metacarbonates*

12:00 – 13:30 **LUNCH BREAK** RESTAURANT

FAULT AND SHEAR ZONE STRUCTURES

Chair: László Fodor & Rastislav Vojtko

- 13:30 – 13:45 **P. ALEKSANDROWSKI, A. GŁUSZYŃSKI, M. LASOCKI, S. OSTROWSKI, B. PRZYBYLSKI, O. ROSOWIECKA, K. SOBIEŃ, M. TOMASZCZYK, J. FIGUŁA, M. SADA, Ł. SITO & M. WOJDYŁA:** Major faults in the Sudety Mountains (SW Poland) explored with magnetotelluric method
- 13:45 – 14:00 **G. ZIEMNIAK, J. MAJKA, CH. BARNES & M. MANECKI:** Interaction between Early Devonian strike-slip shearing and thrusting in Oscar II Land, Svalbard
- 14:00 – 14:15 **I. PAVIČIĆ, B. MATOŠ, I. VLAHOVIĆ, M. GOVORČIN, D. PAVELIĆ, D. MATEŠIĆ, J. PARLOV, J. STIPČEVIĆ, J. TERZIĆ, I. KOSOVIĆ, T. FRANGEN & B. PADOVAN:** The 29th December 2020, Mw 6.4 Petrinja earthquake (Croatia): Geological framework and observed coseismic deformation features
- 14:15 – 14:30 **I. AALTONEN:** The need for understanding brittle deformation of bedrock in a safe nuclear waste disposal project
- 14:30 – 14:45 **R. SIKORA:** „Drawer structures” in landslides due to structural control on slope deformation
- 14:45 – 15:00 **P. PONGRAC, P. JEŘÁBEK, H. STÜNITZ, H. RAIMBOURG, L. NÈGRE & J. PRÉCIGOUT:** Influence of H₂O on deformation behavior and microstructure changes in Tana-quartzite
- 15:00 – 15:15 **V. K. KUSBACH, M. MACHEK & Z. ROXEROVÁ:** Effect of deformation localization on the anisotropy of magnetic susceptibility
- 15:15 – 15:30 **J. SOTÁK, A. BIROŇ, M. KUBIŠ & Z. PULIŠOVÁ:** Post-Eocene backthrusting in marginal units of the Central Western Carpathians: a new stratigraphic data from inverted thrust sheets
- 15:30 – 16:00 **COFFE BREAK** BAR

CARPATHIAN KLIPPEN AND FLYSCH BELTS

Chair: Roman Aubrecht

- 16:00 – 16:30 **Keynote lecture - F. TEŤÁK & D. PIVKO:** Deposition and paleogeography of the deep-sea flysch Magura Basin (Western Carpathians)
- 16:30 – 16:45 **P. J. STRZELECKI, A. ŚWIERCZEWSKA & A. K. TOKARSKI:** Reconstructing the tectonic evolution of a fold-and-thrust belt: A multi-scale approach to the Silesian Nappe, Outer Carpathians, SE Poland
- 16:45 – 17:00 **M. MOLČAN MATEJOVÁ, R. AUBRECHT & Š. JÓZSA:** Description of an atypical klippe near Revišné (Pieniny Klippen Belt, Western Carpathians)
- 17:00 – 17:15 **D. PLAŠIENKA, J. BUČOVÁ & V. ŠIMONOVÁ:** Backstop-edge tectonics: The Pieniny Klippen Belt of NE Slovakia
- 17:15 – 18:30 **POSTER SESSION** CONFERENCE ROOM II
- 18:00 – 19:00 **MEETING OF THE CETeG REPRESENTATIVES**
- 19:00 **GALADINNER, AWARDS, LOCAL MUSIC** RESTAURANT

S A T U R D A Y 2 5 . 9 . 2 0 2 1

- 8:30 – 17:00 **POST-CONFERENCE EXCURSION**
Composition and structure of the Pieniny Klippen Belt in the Terchová–Zázrivá area
Guided by D. Plašienka, J. Soták, P. Gedl & R. Aubrecht.

LIST OF POSTERS

S. Adineh, P. Závada, J. Bruthans & M. Warsitzka: *The structural evolution of Paskhand salt diapir in the Cenozoic formation and deformation of the Zagros Fold and Thrust Belt, Iran*

R. Aubrecht & T. Mikuš: *Heavy mineral analysis of the Senonian exotics-bearing deposits in the Western Carpathians and its paleogeographic and paleotectonic interpretation*

J. Bučová & Z. Pulišová: *Tectonic structures and paleostress fields in Mesozoic and Paleogene rocks in northwestern Slovakia (Liptov Basin and Veľká Fatra Mts., Central Western Carpathians)*

M. Bukata, Ch. Barnes, S. Mazur & J. Majka: *Mid-crustal thrusting in the Variscan basement of the Western Tatras: project outline and perspectives*

Z. Bukovská, V. Beneš, O. Švagera, I. Soejono, J. Klomínský, T. Zelinková, Z. Skácelová, O. Levý & J. Urík: *The structure and tectonics of the Čeřínek granite revealed by geophysical and geological methods*

R. Callegari, K. Košmińska, Ch. Barnes, I. Klonowska, P. Jeanneret & J. Majka: *Medium-high grade metamorphism of paragneisses and banded-amphibolites from the Seve Nappe Complex of the Kebnekaise Mountains, north-eastern Scandinavian Caledonides*

D. Godová, M. Bielik, P. Hrubcová, B. Šimonová, J. Dérerová & J. Vozár: *Lithospheric contact of the Western Carpathians with the Bohemian Massif in the light of seismic and gravity data*

P. Hasalová, K. Schulmann, U. Schaltegger, P. Štípská, A. Kylander-Clark & R. F. Weinberg: *Timescale of pervasive melt migration in the continental crust*

P. Holá, M. Racek, P. Jeřábek & G. Habler: *Features related to destabilization of magmatic labradorite with increasing metamorphic grade of metagabbros from the west of the Teplá-Barrandian Unit, Bohemian Massif*

E. Hoppanová & Š. Ferenc: *U-Cu mineralization in the Kozie Chrbty Mts. (Permian, Hronic Unit) and its relationship to the late (Neotectonic) structures*

M. Jastrzębski, A. Żelaźniewicz, J. Sláma & E. Krzemińska: *Zircon geochronology of the Sudetic portion of Teplá-Barrandia: protolith ages, provenance and significance as source rocks for Devonian and Carboniferous sedimentary basins*

D. Juhász, É. Oravecz & L. Fodor: *Two-phased folding in the Nagyvisnyó area, NW Bükk Mts., NE Hungary*

E. Kereskényi, G. Szakmány, B. Fehér, F. Kristály, I. Harsányi, Zs. Kasztovszky & T. M. Tóth: *Archaeometry of greenschist Neolithic polished stone tools from Northeast Hungary*

R. Kopáček & Š. Ferenc: *Uranium mineralization near Brezno: geological position and mineralogy (Central Slovakia, Veporic Superunit)*

K. Kriváňová & R. Vojtko: *Lithostratigraphy and geological evolution of the Kučelach tectonic outlier (Veporské vrchy Mts., Slovakia)*

J. Kryl, P. Jeřábek, O. Lexa & M. Racek: *Detailed study of two selected quartzo-feldspathic rock bodies in the central part of Erzgebirge Mountains*

O. Krýza, P. Závada, K. Schulmann & O. Lexa: *Modes and geometry of the lower crust detachment folding for various heat-based rheological gradients - insights from physical modelling*

S. Kurylo & I. Broska: *Feldspars as an indicator of mixing in the Variscan Krivánska Fatra granites (Šútovo gorge)*

J. Madzin, E. Márton, D. Starek & T. Mikuš: *Origin of magnetic fabrics in turbidites of the Central Carpathian Palaeogene Basin: insights from AMS and AARM study*

P. Maierová, K. Schulmann, P. Štípská, T. Gerya & O. Lexa: *Subduction and exhumation of continental crust in the Variscan Bohemian Massif - a numerical modelling study*

LIST OF POSTERS

M. Maraszewska, I. Broska, M. Kohút, K. Yi, P. Konečný & S. Kurylo: *Multistage evolution of granitoid magmatism in the Low Tatra Mts, Western Carpathians based on preliminary SHRIMP zircon and U-Th-Pb monazite geochronology records*

E. Márton, M. Toljić, V. Lesić & V. Cvetkov: *Joint interpretation of paleomagnetic, structural and AMS results from the Vardar zone of Serbia*

R. Melichar: *The Czech Geological Olympiad and International Earth Science Olympiad: the way to promote geoscience education*

M. Mikołajczak, S. Mazur, W. Jóźwiak & P. Krzywiec: *Does the Grójec Fault (eastern Poland) coincide with an ancient plate boundary between Fennoscandia and Sarmatia?*

A. Molnárová, M. Ondrejka, M. Putiš & O. Nemeč: *Granitoid rocks of the Fabova Hoľa Massif, Veporicum*

I. Olšanská, F. Tomek & M. Chadima: *Petrofabrics of ignimbrites using the anisotropy of magnetic susceptibility: implications to the evolution of the late-Variscan Tharandt Forest Caldera (NW Bohemian Massif)*

M. Patry, I. Klonowska, K. Kościńska & J. Majka: *Pressure-Temperature evolution of the Barrovian metamorphic rocks from the Isbjørnhamna Group, Svalbard Caledonides*

L. Pavelić, I. Pavičić, Ž. Vejnović & I. Prlić: *Open-source Radon Detector Concept for Tectonic Early Warning System*

M. Racek & T. Zelinková: *Mutual interaction of felsic granulite with cm-scale mantle xenoliths in HT conditions (St. Leonhard granulite massif, Lower Austria)*

L. Reato, M. Huraiová, P. Konečný & V. Hurai: *New exotic xenoliths found in alkali basalts in Čamovce quarry (Southern Slovakia)*

M. Śliwiński, M. Jastrzębski, K. Machowiak & J. Sláma: *Whole rock geochemistry and zircon geochronology of meta-volcanic rocks from the Staré Město Belt, the Sudetes*

J. Soták, M. Kováč, D. Plašienka & R. Vojtko: *Paleogene basins in trans-axial zone between growing and collapsing orogenic wedge: a case of the Súľov-Domaníža and Žilina-Rajec basins (Western Carpathians)*

J. Spišiak, V. Šimonová & J. Butek: *Cretaceous alkali volcanics in the Western Carpathians – new data of age and isotope composition*

P. Štípská, K. Schulmann, M. Racek, J. M. Lardeaux, B.R. Hacker, A. Kylander-Clark & P. Hasalová: *Finite pattern of Barrovian metamorphic zones: interplay between thermal reequilibration and post-peak deformation during continental collision—insights from the Svatka and Thaya domes (Bohemian Massif).*

M. Šujan, S. Rybár, E. Thamó-Bozsó, T. Klučiar, M. Tibenský & K. Sebe: *Deformations in a periglacial eolian sand sheet reveal a 26–16 ka activity of the Vienna Basin Transfer Fault*

O. Švagera, Z. Bukovská, T. Chabr, K. Souček, K. Sosna, M. Vavro, J. Kryl & L. Vondrovic: *Revealing the invisible: creating an accurate 3D interpretation of the rock internal structure in deep mine environment by means of geological, geotechnical and geophysical methods*

R. Vojtko, P. Jeřábek, S. Králiková, M. Reiser & O. Lexa: *Low thermal constraints on the Alpine evolution of the Gemer Belt (Western Carpathians)*

R. Vojtko, S. Michalíková & A. Lačný: *Structural pattern and tectonic evolution of the Muráň Fault (Western Carpathians)*

Additional info:

Breakfast is served in the hotel restaurant from 7:00 to 8:30

Check-out at 10:30. Check-out after 10:30 is available for a fee, depending on the occupancy. Please consult the reception desk.

The hotel bar accepts following cards: MasterCard, Maestro, VISA, VISA Electron and Diners Club.