Auckland

Christchurch

Microlight Class 2

Microlight Class 2

Microliaht Class 2

Aeroplane

Power Glider

Helicopter

Helicopter

Helicopter

Helicopte

Helicopter

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Helicopter

Helicopter

Helicopter

Helicopter

Aeroplane

Aeroplane

Microlight Class 2

Microlight Class 2

Microlight Class 2

Microlight Class 2

Auckland

Wanaka

Whakatane

Matakohe

Gisborne

West Coas

Christchurch

Whangamato

Te Awamutu

Feilding

North Shore City

Marton

Otago Hamilton

Glider

Glider

# **Marwker** Beechcraft

# **Contributed by Penny Belworthy**



**THIS** MD 520N Helicopter is the newest addition to the Station Air Ltd fleet and will be used along side it's smaller 500C model brother for general lifting, mustering, farm work and hunting.

Laurie Prouting (Station Air CEO) travelled to Georgetown in the States to inspect the helicopter before flying it 8.5 hours to Falcon Field where they packed it into a container. It arrived in NZ on Boxing Day. The aircraft was selected because it's a Notar, (no tail rotor), being a big plus for safety and much quieter for operating in National Parks and other DOC estate. ZK-HUL was built in 1993 and was sent to Turkey but was never put into service until being shipped back to the States in 2001 where it was privately owned. It now has 1008 hours total time and is in pristine condition. Fitted with "much more radio gear than necessary", it also has an intellistart to prevent hot starts.

Laurie said he is enjoying flying this new helicopter but feels a little bad about already having had the dogs in the back. They certainly enjoyed the plush carpet on the floor!

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### **ZK-FRG Kubicek Balloon**

**OWNED** by husband and wife team Paul & Marie Hicks, this balloon is a first of type for NZ. Manufactured by Kubicek Balloon and Airships of the Czech Republic, what sets this balloon apart from others is the polyester fabric used for the envelope which has significantly higher durability than nylon fabric at comparable



temperatures. Because of this, the balloon is able to be heated to higher temperatures therefore achieving greater height in flight.

Paul and Marie have been into ballooning for 4 years with this upgrade from a sports model enabling more adventure flying. The balloon is fitted with brand new Ignis burners and 2 German stainless steel Schroeder 70litre tanks having a minimum range of 1.5 hours. The basket is made of cane, wood and leather. It can carry up to three people and will be used for private flying only.

# **ZK-CCB Morgan Cheetah**

WHAT ATTRACTED Jon Farmer to this particular type of aircraft was the stated 180hour construction time, however as he should have known (having already built 7 aircraft), they always take longer than you think. So 2 years later his first all metal aircraft is finished and ready for test flying.

The Cheetah is a 2 seat side by side aircraft, designed and manufactured by Morgan Aeroworks of Australia. It is powered by a Rotax 912 and will cruise at 100+ knots, has a range of 4 hours and stalls at 30kts negating the need for flaps. It has a steel tube fuselage with one piece fibreglass undercarriage and spring steel nose wheel. The wings are tapered both in thickness and in chord and are designed to be fabric covered although Jon decided that his wings and fuselage should be covered in aluminium. Thus only the tail plane is fabric



The Cheetah has a roomy cockpit and three luggage storage areas, two behind the pilot and the third just behind the fire wall. Another alteration to the original design is a bubble canopy that Jon has fitted for better visibility. The aircraft has had its first fast taxi run and will soon be ready to take to ...continued over page

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#### ARRIVALS - January/February 2010 Airwork Flight Operations Limited

**> Diamond** 

FRG

KIW

SRN

HXS

HXT

IAN

IPM

IXP

JEV JIZ

KCW

КНМ

MRD

NFO

Hughes 269C

Robinson R44 II

Robinson R44

Robinson R44

Cessna 177RG

Cessna 152

continued over page...

Pitts S-2B

Schweizer 269C-1

Rans S-6ES Coyote II

Tecnam P92 Echo Supe

Czech Aircraft Works Sportcruiser

AutoGyro Europe MT03 eagle

Sigma Aircraft Sigma-4

Jabiru Jabiru J160 U/L Microlight Class 2 Mr I F Boag Palmerston North Auckland Mr J B S Far CON Microlight Class 2 Bennett Condor Kereru Trust Wanganui Kubícek BB22Z Mr P M Hicks Matamata Balloon Sailplane Services 2005 Limited Glider GHB Grob G 103 C Twin III SL Gliding Hawkes Bay & Waipukurau Inc Hastings Power Glider GTG HIE Robinson R22 Beta Helicare Maintenance Limited Nelson Helicopter Station Air Ltd Peel Forest HUY Robinson R22 Beta Pacific Aircraft Services Limited Christchurch Helicopter Aerospatiale AS 350B2 Alpine Choppers Limited Queenstown Helicopter Amateur Built Helicopte Canadian Home Rotors Safar North Shore City Pacific Aerospace Limited KAO Pacific Aerospace 750XL Hamilton Aeroplane Hamilton AutoGyro Europe MT03 eagle Gyrate NZ Limited Microliaht Class 2 Mount Maunaanu Flylight Flylight Dragonfly Mr I Davidson-Watts Microlight Class 1 North Shore City SBW Skyboard Coba K Whisper Temuka Glider Mr R Harris

Aerosport Aviation Limited Czech Aircraft Works Sportcru Cambridge TRANSFERS - January/February 2010 Hokitika Cessna 172A Mr G D Monk CFD Cessna 172D SAB Avionics limited Wanaka Jabiru Jabiru 1200 Van der Hulst Ltd Dargaville Hamilton CTQ Alpha R2160 Hamilton Aero Maintenance Ltd CTR CTS Hamilton Alpha R2160 Hamilton Aero Maintenance Ltd Hamilton Hamilton CTV Alpha R2160 Hamilton Aero Maintenance Ltd Hamilton Hamilton Aero Maintei Hamilton CTY Alpha R2160 Hamilton Hamilton Aero Maintenance Ltd CXG Cessna 150H CXG Syndicate Manukau Cessna A185F Pokeno DKM Cessna 172M Mr M Punch Wanaanu Air Fiordland Limited DNS Cessna 172M Te Anau DQN Lake LA-4-200 Mr P W Dalley Christchurch DXP Gulf Island Air Cessna 172M Kerikeri EKG ELF Air Hawkes Bay Limited Cessna 172N Helipro Aviation Training Limited Paraparaumu Cessna R172K FGZ Cessna 182N NZSKYDIVE Limited Manuka Air Limited Methven FXY Hamilton Aero Maintenance Ltd Hamilton Alpha R2160 GDG GES PZL-Swidnik PW-5 "Smyk" Y K Belworthy Schleicher ASW 200 Mr D d S F Fagunde GRY Schempp-Hirth Ventus-2cT Mr A P Belworthy Tauranga GTX HEN Auckland Kawasaki BK117 B-1 Skyline Aviation Limited Napier Auckland HHC Bell 206B Ashworth Helicopters (2009) Ltd Hughes 369D Gisborne HIY Alton Drilling Limited Robinson R22 Beta Karamea Paeroa Eurocopter AS 350 B3 HKC Helicopter Services (BOP) Ltd Taupo Helicopter Services Support Limited Taupo HLS Eurocopter AS 350 B3 Precision Helicopters Ltd Urenui HLY HMC Helicopter Flight Training Schweizer 269C-1 Auckland Franz Josef Glad HWT Robinson R44 Mr D J Irvine Christchurch New Zealand Paradise Holidays Ltd

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DIAMOND DA20



**DIAMOND DA42** 



**BELL 407** 



**BELL 429** 



"I urge companies... to

get in touch if there are

specific markets and

issues you would like

assistance with."

### **ZK-CON Condor**

BILL BENNETT'S Condor is basically Minicab but has been constructed from Jodel D11 plans reducing the total weight so that it fits in the microlight class. Bill, a cabinet builder by trade, has always had a love for working with wood so when a mate offered him the bits and pieces that he had to build a Minicab, Bill decided to build a two seat aircraft that would fit into the microlight class. Three years later the Condor is just on finished and should fly for the first time in March.



ZK-CON has the same shaped fuselage as a Minicab but the wings have been modified to include flaps and it sits on an RV4 undercarriage. It will be powered with a new ULPower 260I engine from Belgium. A total of 4 engines have been brought into New Zealand, one having been installed into a Bantam by Max Clear. With the new propeller arriving at Christmas time and the fibreglass cowls currently being constructed the Condor should soon be completed and ready to fly. Bill's son Mike will probably do most of the flying while Bill continues to fly his Pelican.

## **ZK-GHB Grob G103 C Twin III SL**

**GHB** is a new power glider for the Hawkes Bay & Waipukurau Gliding Club. President David Davidson said that at this time the Glider which is being imported from America is still on the water and is expected to arrive at the end of the month. The Club had decided to get all the paper work sorted out so that when the Glider arrived they would be all set to go.

This is a two seat model, (a twin ship to their existing one) and is self launching with a Rotax 505A engine that will fold neatly into the fuselage after launch. The glider is aerobatic rated although it is not the clubs plan to use this capability, rather the glider will be for training purposes. The club is pleased to have secured the GHB registration, standing for Gliding Hawkes Bay, as their existing glider is registered GYP, YP being short for Waipukurau.

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#### ... continued from previous page Cessna 152 Air Manawatu Ltd Feilding Aeroplane Cessna TU206A Adventure Aviation (NZ) Limited Mount Maunganui Aeroplane AERO-FX LIMITED Alpi Aviation Pioneer 200 ALPI Aviation NZ Limited Kaukapakapa Microlight Class 2 RMU SDT Gippsland GA200C Pacific Aerospace Cresco 08-600 Kairanga Aviation Ltd Palmerston North Aeroplane Feilding Air Manawatu Ltd Aeroplane Hamilton Aero Mainte Robin R2160 Hamilton Hamilton Aero Maintenance Ltd Aeroplane WAT Pacific Aerospace Cresco 08-600 Wanganui Aero Work (2004) Ltd Wanganui Aeroplane Mount Mauna Dyn' Aero MCRO1 Club Mr H A Lockie Microlight Class 2 North Shore City Darfield AutoGyro Europe MT03 eagle Mr M Humbke Tauranga Christchurch Microlight Class 2 **DEPARTURES - January/February 2010** De Havilland DH 82A Tiger Moth Mr J P Galpin Te Puke W/D Aeroplane ALN AWK Cessna 560 Airwork Flight Operations Limited Exp W/D Manukau Aeroplane De Havilland DH 82A Tiger Moth Te Puke Air New Zealand Ltd FRE Boeing 737-3U3 Aeroplane Auckland Exp Glider Glider Exp Dest GLM GLN Schempp-Hirth Mini-Nimbus HS 7 Lima November Syndicate Manukau Dest Exp Exp Exp Dest Wellington Gliding Club (Inc) Glider PZL-Swidnik PW-5 "Smyk" HSN Heli Support New Zealand Limited Wanaka Helicopter Aerospatiale AS 350BA Eurocopter AS 350 B3 Helicopter IMK Heli-Works Queenstown Helicopters Ltd Queenstown Exp Exp Exp Exp Exp Dest Eurocopter EC 130 B4 Advanced Flight Limited Helicopter . Auckland JNC KWI Unicab Marketing Ltd Cessna 210R North Shore City Aeroplane Farmers Air Ltd Britten-Norman BN2A-27 Air Chathams Limited Chatham Islands Aeroplane Exp Pitts S-2B The Great Stunt Compo MBR Socata TB 10 Mr M Ramamirtham Malaysia Aeroplane Exp UFO Helithruster Mr N R Adlam New Plymouth Dest Walnut Ridge Limited Roko Aero NG-4 ML Aerosport Aviation Limited Cambridge Microlight C2 Exp Mr S C Brooking

KiwiFlyer ZK Review

## **ZK-SRN Sigma 4**

**IMPORTED** by Maxim Vassiliev, the Sigma-4 was designed in Russia by the Russian Avia - Designing Company and has a very unique and distinctive shape with its egg like cockpit for two side by side.



The main fuselage is of all metal construction with the outer skin of the cockpit and wings made from three layer fibre-glass panels with plastic foam filler. Power is from a Rotax 912 ULS engine. The semi cantilever high wing is equipped with slotted flaps and dropped ailerons. The aircraft sits on a tricycle undercarriage but can be fitted with floats or skies. It cruises at 90kts and stalls at 35kts and has a climb out rate of around 1000 fpm. The Sigma 4 has been flying in Russia for the last five years and was designed for training, tourism and sport.

# **ZK-GDR** Schempp-Hirth Ventus 2b

THIS GLIDER was imported into New Zealand via Sailplane Services of Drury, Auckland, by its American owner and is one of 4 gliders that were introduced on to the NZ Gliding register at the end of last year by the company. It is currently hangered in Omarama.

The Ventus 2b, of composite construction, is substantially changed from its similarly named predecessor. It has a completely new Discus plan form wing with winglets and a larger/wider fuselage of 15 m. As a flapped sailplane, this 15 m version complies with the 15 m World Championships racing class. The design has been very successful with consecutive wins from 1995 to 2003.

Sailplane Services is a well known and very experienced business in the glider fraternity that focuses on refurbishment and repair of gliders. In recent years the company has expanded from Drury into other fields and is increasingly involved in general aviation as more composite airframes enter the market. They also work closely with the CAA and GNZ (Gliding New Zealand) and can facilitate the import and export of gliders.

# **NZTE** supporting New Zealand aviation

by Peter Smythe



Peter Smyth is a Sector Manager for New Zealand Trade and Enterprise (NZTE), based in Hamilton. He is a member of the Aviation Industry Cluster Advisory Board and has extensive experience in the aviation industry.

NZTE is the New Zealand Government's national economic development agency. Through a network of offices worldwide, NZTE aims to improve the international competitiveness and sustained profitability of NZ business by providing access to people, knowledge and opportunities.

### **NEW ZEALAND TRADE AND ENTERPRISE** supports

businesses to grow internationally through a range of services and programmes, including advice, training, mentoring, funding, and business and market development assistance for businesses of all sizes - from start ups to groups of established exporters. Many of these are open to all businesses, while some have eligibility criteria around firm size or level of development.

The past few years have been tough for New Zealand businesses, and the aviation industry hasn't been immune to the challenges that have arisen from the global recession.

However, while the global aerospace industry faces major challenges in the short term as a result of the recent financial crisis, and in the longer term from rising fuel prices and environmental concerns, it remains an essential industry for New Zealand and offers substantial opportunity for business growth.

Exports from the aviation sector, excluding Air New Zealand's passenger operations, were \$800 million in 2006, and the industry's goal is to increase this to \$2 billion by 2020. NZTE is committed to supporting the wider industry achieve this target, and to further strengthen New Zealand's capability and expertise in areas such as airline, military and helicopter pilot training; maintenance, repair and overhaul; VIP aircraft interior fit-out; light aircraft manufacturing; and technology based services.

NZTE has worked closely with Aviation New Zealand since it was established, and we continue to provide significant support to champion the international development of the aviation industry, encourage scale through collaboration to target specific opportunities and to connect international customers with New Zealand solutions.

#### Thinking globally

Global trends such as growing competition from low labour cost countries; the centralisation of modern aircraft maintenance, repair and overhaul by original equipment manufacturers; the push to maintain quality and ensure regulatory compliance; and of course the global economic environment and rising fuel costs, all impact on the local aviation industry.

If New Zealand is to remain competitive and exploit opportunities in international markets, the industry needs to:

• Continue to concentrate on developing specialised products and services, using design, applied technologies and new materials that increase efficiency, reduce weight and lower costs for aviation customers, and enhance safety.

If you have something to say and would like to write a Guest Comment - Don't wait to be asked. Phone us on 0800 KFLYER today.

· Focus on market niches that are less vulnerable to higher fuel costs and reduced demand, where quality is more important

- than price, service differentiation is possible and margin is high • Effectively position New Zealand's capabilities to meet global demands by raising market awareness and facilitating market penetration using both export and in-market delivery models.
- · Coordinate, efforts to overcome lack of scale and offer total solutions that deliver stable, ongoing business.
- · Integrate companies more effectively into global value chains and make New Zealand a credible option for overseas companies interested in becoming more involved with the industry here.

Many New Zealand aviation companies are already responding to global trends and demands, and there are exciting opportunities to connect the aviation industry to emerging technology such as titanium, where New Zealand has a growing reputation for making titanium powders faster, more cleanly and better than anyone else.

NZTE's support for the industry is purposely focused on assisting New Zealand aviation to transform itself into a more specialised, globally-connected, high margin, sustainable service and manufacturing industry based on 21st century technologies. We are working closely with Aviation New Zealand and individual firms on a programme of coordinated effort in capability building, market

> positioning and development, and investment over a three-five year period.

Over the next few months in particular, the focus will be on the priority markets of North and South Asia, America, the Middle East and Europe. Events such as the Singapore Aerospace Expo and the Hamburg Aircraft Interiors Expo are important avenues for New

Zealand companies to showcase their innovation, products and services. They are also a mechanism to explore alternative market opportunities, and get exposure to wider developments within the industry as a whole. NZTE will be providing in-market support at these and other events and activities being coordinated by Aviation New Zealand in key markets.

#### Helping businesses grow internationally

NZTE's network of international offices means that we have the ability to help businesses grow by building alliances and developing strategic commercial relationships overseas. These alliances can provide access to international distribution networks; new markets, skills and technology; and investment capital. Our global network of staff is tapped into aviation trends and developments in international markets, and NZTE has a significant amount of market specific intelligence and research that can help businesses stay on top of these. I urge companies to take a look at these resources on our website, and to get in touch if there are specific markets and issues you would like assistance with.

NZTE is committed to the aviation industry and we will continue working closely with companies to help them make the most of new market opportunities and achieve international success. NZTE's overall goal is to help firms create new and sustainable wealth for New Zealand, and the aviation industry is well positioned to contribute to this. We have the abilities and technologies to do some very special things and put New Zealand aviation on the world stage. The building blocks are in place and we have new innovations and new developments ready to go.

More information is available from www.nzte.govt.nz