



August 2004 Edition

2004 Officers:

President:	August Bruno	(303) 828-0910	Secretary:	Russ Larsen	(303) 828-2872
Vice Presidents:	Terry Edwards	(303) 499-6463	Treasurer:	Ken Jochim	(303) 444-3206
	Rich Anderson	(303) 652-2224	Newsletter Editor:	Boris Sergeev	(303) 530-2063
					BSergeev@excite.com

CLUB MEETING: August 11, 2004 at 7pm
Flying field

BRING A MODEL!!!

REMINDER

The last person to leave the flying field needs to ensure that the gate to the field is locked. The gate must be locked with the club's padlock locked through the city's lock in order to allow the city to have access to the field.

Any maintenance work at the field must be coordinated and approved by club officers and Boulder City staff. All maintenance work to be done at the field must first be coordinated with club vice president Rich Anderson (303) 652-2224. Rich will coordinate requested projects with club officers and Matt Claussen with the Boulder City Parks and Recreation Department, and if the project is approved dates will be established for the work to be done.

FIELD PARKING

There are parking spaces at the field marked and designated as handicap parking. We've been notified that if City Park Rangers see vehicles parked in those stalls without a proper handicap tag displayed they will start issuing violation tickets. **The fine for this type of ticket is \$125.00.** All members need to be aware that, if you park in a handicap stall without a tag and a ranger comes by, it could become *an expensive day of flying.*

BAS MEETING MINUTES

July 11, 2004

The meeting was called to order at 7PM at Chandler field. Although no new guests were present, we were visited by

our old friend Phil Youngren, who has decided to move back to Boulder. Welcome home Phil!

A discussion was held regarding the finalization of the Rules with Boulder. Negotiations have been satisfactorily completed and we are prepared to move ahead. AMA membership will continue to be required as in the past. Two new flying stations will be established. One on the North side of the field extending the existing safety fence will be designated as the Heli flying station. The second, to be constructed on the South side adjacent to the E/W runway, will be designated as the Heli hover and sailplane flight station. These modifications will be put in place along with new signage, mowing and general cleanup at a work day in September on a date to be selected at the next meeting.

Dean Chandler procured about 10 loads of gravel from Boulder Res. and has moved them to the field. We have a small work party showing up on Saturday, July 17 to spread it.

Our annual picnic will be held on Saturday, August 14th. The Club will provide food and beverage and the membership will handle the flying. Bring out something new and put on a display. A handsome door prize will be awarded to be arranged by Boris in cooperation with Steve Clark of HSJM Hobbies in Broomfield. Flying begins at 9 and lunch—when Augie says the Bratwurst is ready! Bring the family and guests.

Boris presented some photos of his recent trip to the Ukraine depicting some innovative, high tech aircraft. Dean Ehn also showed a nice electric ARF from the Chec Republic.

The meeting was adjourned at 7:45.

Respectfully submitted,
Augie Bruno.

UKRAINIAN NOTES

by Boris "Slav" Sergeev



This June, my family and I have visited our relatives and friends in the second largest Ukrainian city, Kharkov. We have had a chance to visit many model airplane manufacturers and even fly some of their planes.

The Ukraine, a former USSR republic, stretches to 232,046 square miles just to the North of the Black Sea and has the population of some 48 million people. It gained its independence after the collapse of the Soviet Union in 1991 and, since then, became one of the poorest countries of Europe. Despite the continuing depression, the aerospace sector of the Ukrainian economy is still alive—Antonov An-74 transport planes are built in Kharkov, the world largest plane, An-225 "Mriya", their jet engines, commercial satellite carriers, etc., are manufactures in the Ukraine too.

In the "old days", aeromodeling (as well as all other technical hobbies) was supported by the state. Every kid could join a club, which would provide him with all the materials and guidance fee of charge. Clubs were located at "youth palaces" and were equipped with drills, lathes, milling machines, just like small machine shops. Every club member had a table and a storage area there. We gathered at the club several times a week to build planes and share stories. In the summer, every modeler competed in his FAI category—prestige of the club was based on its members' sport rankings. Generations of modelers grew up at these children clubs, learning to build and fly their models (those were "pre-ARF" days!).

The end of the Communism ruling and abrupt transformation from the planned centralized economy to the unregulated market caught many people off guard. For several years, at the end of 1990-s, very few people pursued their R/C, striving to survive in the new environment. The weeds grew tall at the flying fields...

As the time went, people settled down and some of them managed to get back to the R/C hobby. Unfortunately, only rich, by Ukrainian standards, people can afford the hobby now. All R/C equipment costs about twice as much in the Ukraine as it costs here. In Kharkov, a Denver size city, there is less than 100 active flyers served by a single hobby store. Many of these people compete in various model airplane categories. Free Flight is quite popular (even though a good FF ships may cost in excess of \$1,500!), the Ukrainian team is usually taking most of the medals at world Free Flight cups.

Even though there is no national aeromodeling federation in the Ukraine now (as well as no insurance or frequency control), neither there exist any formal R/C clubs at the Ukrainian cities, people have no trouble finding places to fly. As all the land in the country is owned by the state (farmers get their land "in eternal lease" from the government), there's still plenty of land owned by no one. A huge, several mile long by a couple mile wide, flying field of the former City aero club is located on the outskirts of the City and anyone

is free to fly there. Below is the picture of several Ukrainian fliers standing at the edge of this humongous field, which stretches to the horizon:



In recent years, several small companies started manufacturing model airplane goods in Kharkov. Some of these companies, like Vladimir Gavrliko's *Vladimir Model*, have gained the world reputation for the highest quality and revolutionary design of their planes, while other companies are just starting their business and starting to get their place under the sun.

The common characteristics of the planes are:

- they are mostly moulded, glass/carbon/Kevlar, competition-class ships of all types, electrics, gliders, pattern, racers, jets, built in CNC milled Aluminum molds, as shown below:



- only lightest planes, like hand launch gliders, employ build-up wings with carbon-glass spar, vertical grain balsa webbing, Kevlar wrap-around, and carbon capped ribs.

- Free Flight technology is traditionally sophisticated, exceeding that of most R/C planes: the gliders are equipped with on-board computers getting data from temperature, altitude and temperature sensors, and steering the ships into thermals.

Typical R/C gear is quite different from what we are using here:

- mostly European radios, Mutiplex, Groupner, at high end, Hitec at low end
- not much variety in other gears—all glow engines are O.S., all servos Hitec
- slow adoption of new (foreign) technology as information is scarce (only a couple of people in the whole city subscribed for Western R/C publications)
- everybody flies planes made locally, everybody knows all manufacturers personally (as all flyers drink Vodka together). ☺



This is a typical Ukrainian ARF, a 2 m by 2 m all-composite pattern ship, manufactured by the guy in a red T-shirt in the first picture. Below, my daughter holds a small electric powered all-composite Extra. All planes are in-mold painted with all control surfaces pre-hinged!



FLYING FIELD HOURS

9:00am to dusk on weekdays

10:00am to dusk on weekends

ON THE HORIZON

March Club Meeting: *March 10, 2004* at 7pm at Boulder TEC Center on Arapaho Road across the Valmont Power Plant

TeamTeke Silent Fun Fly: *July 17...18, 2004* at Lost Creek Model Airpark, 12 miles North of Silverthorne, CO (see details on the next page)

CLASSIFIEDS

There were no new ads submitted this month.

Previous classified ads can be found at the Club Classifieds page: www.milehighwings.com/club/classifieds

THE YELLOW PAGES

A listing of area merchants whose products are of interest to R/C enthusiasts; provided as a service to our members. Some will give you a discount with your current club card.

R/C Wheels & Wings, 1725 Vista View Dr, Suite B, Longmont (phone 303-776-2796; fax 303-776-2896), Neil Schmoker

HSJM Ltd. Hobbies, 1300 W Midway, Broomfield (303-439-2640), Steve Clark

Mile High Wings sales@milehighwings.com
The source of R/C Simulator interfaces and a new **RC Plane Master** simulator: www.milehighwings.com
BAS members get 10% discount

Action Hobbies, 1477 Carr, Lakewood, (303-233-6275), Glen A. Magree

Hobby Town, 800 South Hover Rd. Longmont, (303-774-1557) Jim Koln

Don's Hobbies, 815 10th Street, Greeley (970-353-3115) Tony Farro

Things with Wings, 6268 W. 10th #2 Greeley (970-352-1067) Jim Richardson

Hobby Town, 6815 W. 88th Ave., Westminster, (303-431-0482), James Miley

Hobby Giant, 5545-A, Olde Wadsworth, Arvada, 303-940-9238, Larry Cencich.

Heliport Hobbies, 1400 W. 70th Street, Denver 303-430-8828, also Magnum Fuels

Note to members receiving newsletter by snail mail:

If you send the editor your email address, we can send you the newsletter by e-mail. This saves the club 37 cents each newsletter PLUS you get all the links clickable and all the pictures in color rather than black and white. And you get it a couple of days sooner.

The Inverted Flyer is published monthly by the Boulder Aeromodeling Society as a service to its members. Submissions for publication are encouraged and can be but are not limited to: articles pertaining to Aeromodeling, letters to the editor, short news items of general interest to BAS members, and announcements. Space permitting, all submissions will be published except as follows: no anonymous letters or any submission

containing morally objectionable content or language, as judged by the editor. Classified ads will be provided to the members of BAS free of charge. The deadline for all submissions and classified ads will be the first of the month for publication on or about the first Wednesday of the month. Opinions expressed in the Inverted Flyer are not necessarily those of the Boulder Aeromodeling Society general membership.



Boris Sergeev, Editor
4866 Durham St
Boulder, CO 80301