

## **Minutes of the October 26-27, 2017 Board of Directors Meeting**

**Held at the Silver Legacy Hotel – Reno, Nevada**

### **Board Members in Attendance:**

Jerry Buxton, N0JY, Vice President - Engineering

Tom Clark, K3IO

Clayton Coleman, W5PFG, Secretary

Bruce Paige, KK5DO

### **Board Members Absent (attending via teleconference):**

Drew Glasbrenner, KO4MA, Vice President – Operations

Mark Hammond, N8MH

### **Officers in Attendance:**

Barry Baines, WD4ASW, President

Joe Spier, K6WAO, Interim Executive Vice President

Keith Baker, KB1SF, Treasurer

Martha Saragovitz, Manager

Frank Bauer, KB3HDO, VP Human Spaceflight

### **Other Guests**

Joe Kornowski, Burns Fischer, Nick Pugh, Keith Pugh, Jennifer Rosinski, Bill Tynan, Eric Skoog, Anthony Gordon, Patrick Stoddard, Dan Schultz

#### **I. Election of Officers**

Barry Baines called for election of officers.

Tom Clark gave his recommendation from president search committee to nominate Joe Spier to become president, moving position to the west coast.

Tom Clark nominated Paul Stoetzer as executive vice president for the first time this position has been filled in the past ten years for any lengthy period.

Second from Bruce Paige to nominate president.

Motion carried for unanimous vote electing Joe Spier, followed by his acceptance speech “exciting times for AMSAT” – with a path to HEO, transition of power from long-time president Barry Baines.

Second from Bruce Paige on round of all officer appointments:

Paul Stoetzer – Executive Vice President

Clayton Coleman – Secretary

## **II. Annual Meeting Report Overview**

Barry Baines presented initial cut of the Annual Meeting Report to all parties in attendance.

## **III. Presentation of Previous Board Meeting Minutes**

Paul Stoetzer presented the board meeting minutes for previous meetings and made motion to accept them as presented. Bruce Paige seconded.

Minutes unanimously approved.

Suggestion to use unique ID for ballots in elections by Bruce Paige. A discussion ensued with no actions presented.

## **IV. Financial Report**

Keith Baker presented his budget report.

Has concerns about membership sufficiency to keep the organization together and produce more satellites

Jerry expressed there are lots of items bought by volunteers that are not captured in costs and expense born by our people.

Keith completed his report.

## **V. Manager’s Report**

Next report is from our manager Martha S.

Moved to electronic shipping this year.

New Verifone machine (replacing 10 year old one) for credit card processing.

Martha says about 60% of records needed callsign verified and adjusted over the year.

Spends time working with Kareem who provides good IT support.

Works with Carol on financials.

Applied for and received MD sales tax #, paid \$32 in sales tax in 2017.

Trouble with printers. Seeking assistance.

Need more help in office. Lost previous volunteers (SK's.)

Very few phone orders – lots of people use PayPal.

“Won't find any one more committed to AMSAT” – Met with agreement by those in attendance.

### **Meeting adjourned to break at 10:00 AM PDT**

Mark Hammond left meeting.

### **Resumed meeting at 10:17 AM PDT.**

## **VI. Operations Report**

Drew Glasbrenner gave his report on satellite status.

AO-7 still running but switch modes, some trouble this summer.

AO-85 orbit now 2 years, runs solid, little commanding needed, less users than expected due to receive antenna issue.

Talked about Falconsat3, it's management, and capabilities, about 15 users seen now.

Proposes that WISP become free to all users, will need to request a free license from AMSAT. No disagreement.

13 linear transponders active over NA today

2 FM transponders are very reliable.

Drew looking for more volunteers to analyze telemetry.

Drew went through first NOAA license inspection.

Drew and Jerry explained the photo control.

L band operation would be for twenty-four-hour increments.

## **VII. AMSAT Lab status presented by Barry Baines**

Storage area has grown in importance because it is housing lots of ARISS parts/pieces including the power supplies for ISS

Clayton suggested we investigate insurance to cover content at storage area. Martha will check.

#### **VIII. Educational Relations Report from Joe Spier**

Education revolved around idea from 2016 Hamvention on how to get youth involved in amateur radio.

What is today's Crystal radio set? Programming, robotics, space are the most attractive.

Joe came up with an antenna, SDR, and telemetry as app package. Made ten of these kits and distributed these at the Hamvention instructor forum. Has had some feedback and lessons learned from some who've put these together in other organizations.

Secured permission to sell kits for Cubesat models from Stefan Wagner.

Looking to get some actual models available for better promotion.

Jerry brought up software for 5<sup>th</sup> graders, an idea brought forth by Douglas Q. Something visual that is easier for kids to relate.

**5 minute break at 11:10 AM PDT called by Jerry Buxton**

**11:20 AM PDT meeting reconvened by Joe Spier**

#### **IX. Fox-1 Series Update by Jerry Buxton**

Gave overall report on AO-85 status and characteristics.

Proceeded to tell us about each of the other Foxes and various things encountered during testing.

**Break for lunch at 12:02 PM PDT**

**Meeting reconvened at 1:15 PM PDT.**

Took photo of current board and officers.

#### **X. Updates on ASCENT and Future Programs**

Jerry Buxton presented about ASCENT project.

Introduces GOLF platform, Greater Orbit, Larger Footprint.

Starting with Golf-T (Trial).

Many possibilities with 3U platform.

As early as 2019.

Lots of development benefits to this new program for future missions.

Will leverage partnerships to gain repeatable success with ongoing supply of technology.

Bill Tynan made a recommendation the board move forward on GOLF and offered a \$10K donation toward this project.

Question from guests: *"How real is this?"* Answer by Jerry *"It's real. It could happen right now."*

Tom Clark chimed in that our best way to do this would be to hitch a ride on a GTO, and then maybe raise perigee with propulsion.

2:15 PM Jerry transitioned to give report on P4-B.

Joe Spier read an email from Bob McGwier stating that there may be further delay on P4-B launch opportunity.

2:24 PM Jerry entered into Crystal Ball discussion.

Volunteers play huge part, we need to support them.

Money – we need it to move forward.

Does membership understand the work that is being done?

Do we fill the skies or do we do more pioneering?

Motion made by Paul Stoetzer supporting GOLF. Rescinded after lengthy discussion (re-wording.)

Motion made by Tom Clark:

The motion is to endorse and approve the Golf program as proposed as the future direction of the organization's satellite program.

Paul, Bruce, Tom, Jerry, Clayton aye, one abstention (Drew) – motion passes to amended version.

Vote call for actual motion.

Paul Stoetzer moved to table vote.

Clayton seconded motion.

Unanimous vote to table motion made by Tom Clark.

## **XI. Field Ops Report**

Patrick WD9EWK gave Gould Op's report on Field Ops

## **XII. Journal Report**

Joe K gave overview of Journal in 2017

**4:00pm PDT adjourn for 10 minute break.**

**4:14 pm PDT called to order.**

## **XIII. Hamvention Report**

Barry Baines talked about Hamvention.

New Location perfect.

N9IP will step down and not run 2018 Hamvention.

Electronic processing of orders was a great success.

## **XIV. Social Media**

Drew reported on our followers and presence on YouTube, Twitter, and Facebook. Strong set of followers that far exceeds our membership distribution.

## **XV. Website and Store**

Paul giving short report from Joe Fitz about website and IT.

One year since project authorized, not complete.

Bruce gave report on AMSAT store.

He reported on sales and registrants to the store.

Bruce gave an overview of awards revenues over past 11 years.

## **XVI. Report on ANS by JoAnne Maenpaa**

Talks about editors, our news cycle, and distribution of news.

Commercial editors as asking us to speak as the "AMSAT news services."

**XVII. Audit and Review Process by Keith Baker**

Tom Clark makes a motion, seconded by Paul Stoetzer, that we conduct the annual review. This is not a full audit. In our accountant's opinion, we do not need a full audit. Motion carries unanimously.

**Sean Kutzko gave presentation on communications strategy over the phone.**

**XVIII. Legal and ITAR**

Discussion ensued about the history of ITAR.

Joe & team to develop a policy for review.

**XIX. Albuquerque Public Schools**

7:50 pm PDT Alma Ripley to discuss proposal for CubeSat

**8:59 pm PDT Joe Kornowski discussed journal survey results.**

**9:10 pm PDT meeting adjourned for the evening.**

**Closed session opened at 8:15am PDT, October 27, 2017.**

Reports on staffing. Personnel actions.

Report on ARISS and funding.

**Open session opened at 11:00 AM PDT**

**XX. ARISS Report from Frank Bauer**

Discussed activities and plans for 2018.

Talked about finances.

**XXI. Motion to support GOLF Program**

New motion from Tom Clark, seconded by Paul Stoetzer:

“The AMSAT Board of Directors endorses the GOLF program and approves the creation and funding of a CubeSat Launch Initiative Proposal for the GOLF-T satellite project as part of our strategic goals involving high altitude, wide access satellite missions.”

Motion unanimously carries by all present in person and via teleconference.

Mark Hammond was not present but indicated that he would support the motion had he been present.

**Atta-boys starting at 11:33 AM PDT by Tom Clark**

Organizer of meeting Joe Spier

Terry Banky – Interoperable IOPS

Martha in recognition of 40 years service

Barry Baines for his tenure in the “hot seat” as president

From Drew Glasbrenne:

Jim White – for followup on Falconsat3 getting it into amateur service

Sean Kutzko for being good friend to AMSAT and promoter

Alan Biddle for his continued support in the background and taking care of AMSAT AO-85

Bill Tynan:

Michelle Thompson & P4 ground

Jerry Buxton:

Fox-1 team, amazing work that has been done to pull it all off

Martha Saragovitz:

Steve Belter for his incredible work for organizing Dayton

Paul Stoetzer:

Clayton for becoming secretary

**Motion to adjourn at 11:41 am PDT by Paul Stoetzer. Seconded by Jerry Buxton. Motion carried concluding the 2017 AMSAT Board of Director’s Meeting.**

Respectfully submitted,

Clayton L. Coleman, W5PFG

Secretary