

Electric

Auto



NEWS

October 1983

Association

Vol. XV No. 10

FIRST, AGAIN.

World's First 168 mile Electric Car Saied Motaei "THE CHAMP"

168 MILES!! , Battery acid recirculation system, Battery insulation, Series Motor Regeneration System, High Pressure Tiers, Battery Monitoring System Voltage & Temperature of each battery., Weight Reduction Methods.

9 EV'S JOIN 100+ CLUB SEE PG. 2

DOE DEMO SITE OPERATORS SHORT CIRCUIT EV PROGRAM

From the adds in our newsletter and articles in other trade publications, it seems that many demo sites are selling off their EVs. The DOE Program is being cut back, however, I believe the vehicles on site have not been given a fair shake.

I believe that adverse reports from on site Engineers and Mechanics may be a big factor. I have been involved in Industrial Electronics for 30 years and have had this problem with company Engineers and Mechanics - they don't like anything new or different or that was not their idea. A form of professional jealousy exists and they have done their best to destroy any improvement I might suggest. I would suggest that instead of selling out and destroying the advantages they have gained, they should seek professional, outside help in solving any problems they have or think they have.

EV'S ARE COST EFFECTIVE

We know from experience in England and many other extensive cost analysis, reported in EV NEWS magazine, that EVs are consistantly operated at 50% the overall cost of the same ICE.

**1984 SEND EVENTS
NOW! Calendar NOW!**

100 MILE CLUB

SAIED MOTAEI	FIAT	168
BILL WILLIAMS	HONDA	123.7
BRUCE MC CASKIE	VW DUNEBUGGY	123.7
JACK HIGGINS	SAAB (118)	114.8
JOHN WASYLINA	HONDA	110.7
ROSS KAUFMAN	VW (convertible)	106.6
PHILIP LA GUE	HONDA 982)	102.5
MICHAEL THOMPSON	OPEL GT (Seattle)	100.8
ED RANNBERG	HONDA (82)	100.3

Results of the 1983 Electric Auto Assoc. Rally - 4.1 Mile Course (Gross weight includes 300 LBS for driver and passenger.)

ENTRY NO.	OWNER NAME	CAR TYPE	NO BATTERIES	ACTUAL MILES	PLACED
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CUSTOM CLASS

5	Saied Motaei	Fiat	32	168	FIRST
1	Bruce McCaskie	VW Dune Buggy	20	123	SECOND
26	R. Kaufman	VW	16	106.6	THIRD
28	Doug Williams	Bradley GTE	16	77.9	
35	Bob Steinfeld	Specialty	12	73.8	
18	Charles Huntley	VW Dune Buggy	16	69.7	
16	Clarence Ellers	Aztec	16	65.6	
12	Alfred Hardage	VW	12	57.4	
38	Don Gillis	Bradley -VW	16	49.2	
41	Bill Palmer	1904 Olds Repli.	3	4.1	

STOCK CLASS

3	Bill Williams	Honda	18	123	FIRST
2	Jack Higgins	Saab	23	114.8	SECOND
31	John Wasylina	Honda	26	110.7	THIRD
19	Philip LaGue	Honda	20	102.5	
15	Scott Cornell	Chevrolet	16	73.8	
14	Donal Steinhaus	Vega	13	69.7	
32	Stephen	Suzuki	32	65.6	
9	Duane Bretzke	Fiat	14	61.5	
21	Norman Rogers	Fiat	10	57.4	
36	L.N. Goodell	Pinto	16	53.3	
25	Abe Beckman	Datsun	16	49.2	
29	Lee Hemstreet	VW	12	45.1	
37	Loren Lasel	Datsun	12	41.0	
8	J.E. Herbner	Vega	12	36.9	
27	Mike Kernaghan	Renault	12	36.9	
33	Charles Olson	Nash	18	36.9	
43	J. Margaret Milton	Datsun	12	36.9	
47	Steven Lagergren	Honda	12	32.8	
46	I. Tillin	Honda	14	32.8	
13	Pat hardage	Fiat	12	28.7	
17	Clarence Ellers	Datsun PU	14	28.7	
30	Sylvia White	VW	10	24.6	
42	Gregory Conklin	Goggomobil	6	24.6	
22	Paul Mauch	NSU-1000 Audi	8	20.5	
11	Carl Schaeffer	Renault	8	16.4	
40	Bill Palmer	Chev.	12	4.1	
44	Edward Schanz	King Midget	12	-	
39	John Newell	Fiat	12	-	

1983 RALLY
KEITH CROCK TECHNICAL AWARD

We were honored to have a real EV Expert this year as one of the
Judges: DR. VICTOR WOUK .

THE WINNER: BOB STEINFELD CAR # 35

Lightweight efficient body accessible battery racks
Redundant controls - reliable solid state relays.
Trailer hitch for his hybrid trailer quick disconnect
battery terminal. Only ten batteries for 74 miles.

HONORABLE MENTION: SAIED MOTAEI CAR # 5

For his battery monitoring system and battery pack size and
battery insulation.

CLARENCE ELLERS CAR # 16

His parallel hybrid with automatic transfer and roadway
bridging of forces is the ultimate hybrid.

MAN OF THE YEAR - 1983

CLARENCE ELLERS
(That's My Dad!)

TWO GREAT RALLIES CROWDED INTO ONE YEAR. REMEMBER - HE MOVED
THE RALLY DATE ONE WEEK AHEAD!

HE COMPETED IN THE SEATTLE RALLY. TOWED HIS HYBRID HUNDREDS OF
MILES.

MONTHLY, HE WORKS MOST EFFECTIVELY ON OUR NEWSLETTERS.

LOOK AT THE PRIZES HE PROCURED.

LOOK AT THE RALLY HE PRODUCED.

JUST A FEW EXAMPLES!

HIS EFFORTS GO BACK MANY YEARS. REMEMBER HIS COAST TO COAST
INSTRUCTIONS TO HUNDREDS OF STUDENTS ANXIOUS TO BUILD CARS.

reported by John Newell

COMMERCIAL CLASS

10	Stan Skokan	Subaru	18	53.3	FIRST
4	Stan Skokan	Ford/Escort	16	45.1	SECOND
45	David Hall	Subaru	17	32.8	THIRD
23	Dale F. Yee	Nordskog	12	28.7	
34	Gary Starr	Fiat	16	8.2	

TWO WHEELER CLASS

6	Paul W. Akman	Moped Home-made	8	53.3	FIRST
20	Gary Hargreaves	Ducati	6	36.9	SECOND
24	Dale Yee	Roadrunner	4	28.7	THIRD
7	Ken Akman	Moped	2	16.4	

DONORS

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Digital S.O.C Gauges, new design. Have LED bar-graph display, alarm system, and more. Available for 12 to 120v in .6v increments. \$99ea. (1-9) Write for info: KTA SVCS., P.O. Box 1024, Tustin, CA 92681.

* * * * *

For Sale - 1960 BMW \$700. 60 volt system runs. Best offer. Call Ken Roberts 408-268-5587

* * * * *

Reduced to \$1250, Mazda RXC, Presto mtr., G-E, EV-1B, 14 Trojan J250W Batt. S.B. Radials, 2/0 wire, Lester #9350 12/84V, tow bar, ex.cond. see 773 Vista Grande, Los Altos, 415-961-5198 408-724-2659.

* * * * *

1972 Mazda 4dr. Baldor 8hp model 8 willey control 36v Lester charger. New tires, \$2000 complete or componets. Best offer. 406-443-5635

* * * * *

Sale or trade. 1970 Renault R10, 4dr. sedan, 72 v, 250 amp. ECV solid state control, Baldor Motor. Good commute \$2000 or? Baldor Motor, new \$550 or? M.Parks, 961 - 922-7769.

* * * * *

69 Toyota, PMC control, Baldor motor 16 Trojan J250 batt. on board charger 96 volts \$2900.00 must sell offer. 1108 Rosemarie Lan. Stockton ca. 95207 vis 209-952-2662.

* * * * *

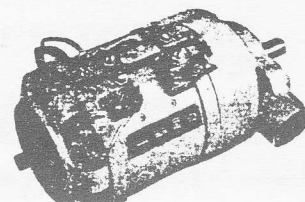
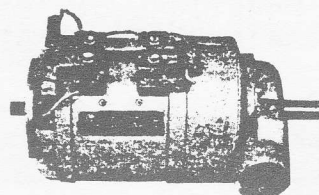
Sunbeam Imp. 1965, 48 v relay-resistive system using Baldor 3.2HP motor. All new interior, Michelin tires, brakes & EV1000 batteries. \$1800 or best offer. 619-566-6013 eves 619 556-0328.

1/2 off new '80 ElectraVan 600 com'l built. Stored since purchase, \$5,950 Also owner built '72 Subaru, Prestolite Motor S.S. control. 15 Trojan J250 batt. \$2250 Bob Wing 415-669-7402 Box 277 Inverness Ca. 94037

* * * * *

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LOOK AT THESE OUTSTANDING SPECIFICATIONS:

Nameplate continuous horsepower	10 hp.
Continuous horsepower @ 96v and 200 amps	20 hp.
Intermittent horsepower @ 96v and 400 amps	40 hp.
Nameplate r.p.m.	3000 r.p.m.
Allowable r.p.m.	6000 r.p.m.
Type Field	compound
Shunt Field Voltage	36 or 72 volts
Shunt Field Current	8 or 4 amps
Weight	110 pounds
Mounting	6" C face
Shaft Type (front)	7/8" 16 tooth spline
Shaft Type (rear)	1-1/8" keyed shaft

WE NEED MEMBERS

CALL FIVE FRIENDS

OUR DEC. ISSUE WILL BE A CALANDER OF
ALL!!! EVents (EAA OR NOT) 1984
SEND NOW!!!NOW!!

ADS must be received with payment by the 10th. of the month, for the following month's issue. AD rate is min. 1 to 5 lines \$5.00, 1/4 Pg. \$15.00, full Pg. \$50.00, full Pg. 2 sides \$80.00. Wanted, Trade, For Sale, etc. Mail to EAA 1249 Lane St. Belmont, CA. 94002

Bookshelf

The Complete Book of ELECTRIC VEHICLES by Sheldon R. Shacket
Revised & Expanded 2nd. Edition, Pictures & Discription of almost every Electric ever
built including many by EAA members, Basic Technical section covering Electricity, Motors
Batteries, Controls and history back to the year 1600 Legislation and Future Energy needs.
PLEASE SEND \$10.00 DONATION TO HELP COVER COST OF RALLY TO Clarence Ellers 2892 Mesquite Dr.
Santa Clara, Ca. 95051. Be sure to include your name and address so we can mail your book.

Current Flight Systems Electric Vehicle Components Catalog is 80 pages, 8 1/2 x 11 glossy
paper catalog covering motors, controls, replacement parts, books, plans and ideas.
It is worth the \$3.00. Send for it: Flight Systems, P.O. Box 25, Mechanicsburg, PA 17055

REPORT DLY MGM/

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PMS JOHN NEWELL, ELECTRIC AUTO ASSOCIATION RPT DLY MGM, DLR
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SUNNYVALE CA

AS AN OBSERVER OF PROGRESS IN BATTERY POWERED VEHICLES FOR MANY
YEARS, WE WANT TO EXPRESS PROFOUND PRAISE OF THE ELECTRIC AUTO
ASSOCIATION. YOU ARE IN OUR OPINION THE DOMINANT FORCE WORLDWIDE IN
ENCOURAGEMENT OF PRACTICAL ON-ROAD ELECTRIC VEHICLES. BEST WISHES FOR
THIS WEEKEND TO EAA AND ITS MEMBERS. HAVE A WONDERFUL RALLY AND
MEETING.

G ROGERS PORTER

ADVANCED VEHICLE NEWS

PO BOX 5200

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Electric Vehicle Council

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Association

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