

Equine Identification and Traceability



ARABIAN
HORSE ASSOCIATION

Debbie Fuentes
Registrar and
Senior Director Registry Services




Evolution of Identification of the Arabian Horse

● 1908

No. 107128

The Arabian Horse Registry of America

FOUNDED 1908
CERTIFICATE OF REGISTRATION
 PUREBRED ARAB

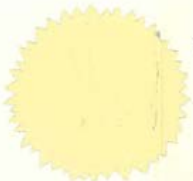


Name JARAYNE WINDSONG Color GREY Sex MARE
 Date Foaled JUNE 11, 1974 Markings STAR.

Sire's Name STAR-ZASIR Reg. No. 028623 Color GREY
 Dam's Name RAZZ DONNA Reg. No. 044665 Color GREY

Bred By JANE RIVIOTTA 349290 DORSET, OHIO

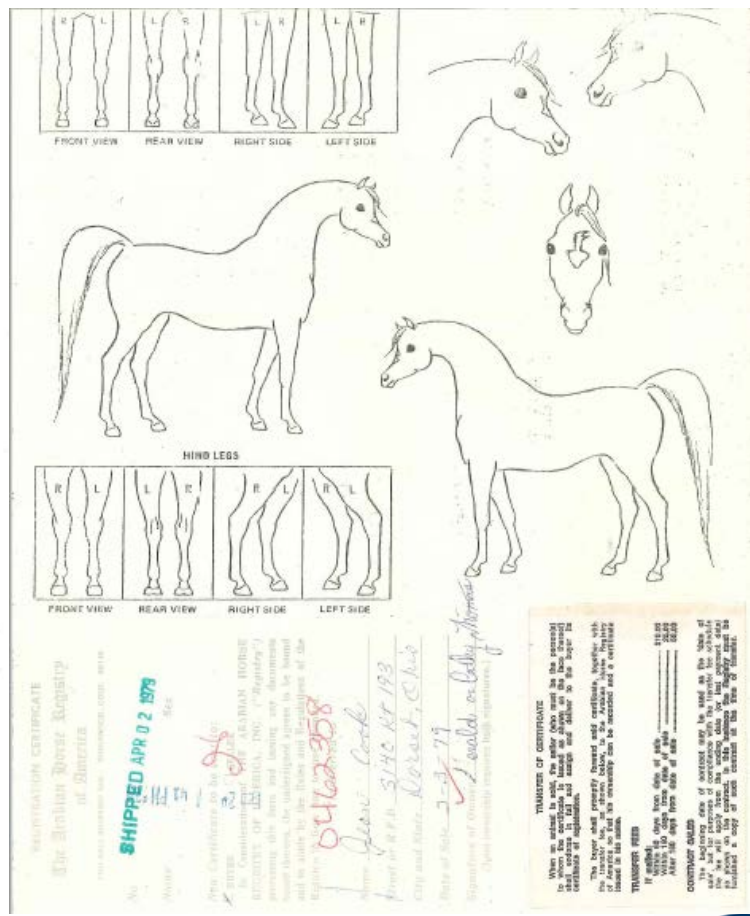
In Witness Whereof, Attest:



Wayne Van Vleet
 President

Wendell B. ...
 Authorized Officer

Revised Census AS OF FEBRUARY 13, 1975
 GERALD OR CATHY THOMAS
 285783 CONNEAUT, OHIO



FRONT VIEW REAR VIEW RIGHT SIDE LEFT SIDE

HIND LEGS

FRONT VIEW REAR VIEW RIGHT SIDE LEFT SIDE

REGISTRATION CERTIFICATE
 The Arabian Horse Registry of America

NO. 107128 DATE APR 02 1975

THIS CERTIFICATE IS TO BE USED IN CONNECTION WITH THE ARABIAN HORSE REGISTRY OF AMERICA, INC. (Registry) and is valid only when accompanied by the certificate of registration.

044665-358

Jarayne Windsong
 Dorsat, Ohio

2-9-79

Signature of Owner: J. ...

TRANSMISSION OF CERTIFICATE

When so mailed, to whom the holder has sent in the certificate of registration, the holder shall be deemed to have transferred the certificate of registration.

CONTRACT GUARANTEE



Evolution of Identification of the Arabian Horse

- 1972 - 1989
 - Freeze Branding
 - Alpha-Angle Freeze Mark Identification
 - Developed by Keith Farrell of Washington State University
 - Administered by AHA Field Representatives
 - Confirmed identity match with Certificate of Registration
 - Four representatives throughout United States
 - Performed farm visits, random parentage testing and import inspections



Evolution of Identification of the Arabian Horse

- 1976
 - Breeding stallions required to have blood type on permanent record
 - Random parentage testing done by Field Representatives
 - Confirmed identity, not parentage

**BLOOD TYPING
PERMANENT RECORD**

Arabian Horse Registry
of America, Inc.
12000 Zuni Street
Westminster, Colorado 80234

This is to certify that the Blood Type for:

Registered Name _____

Registration Number _____

Has been placed on permanent record with
The Arabian Horse Registry of America, Inc.

Date of Issue: _____
Month Day Year



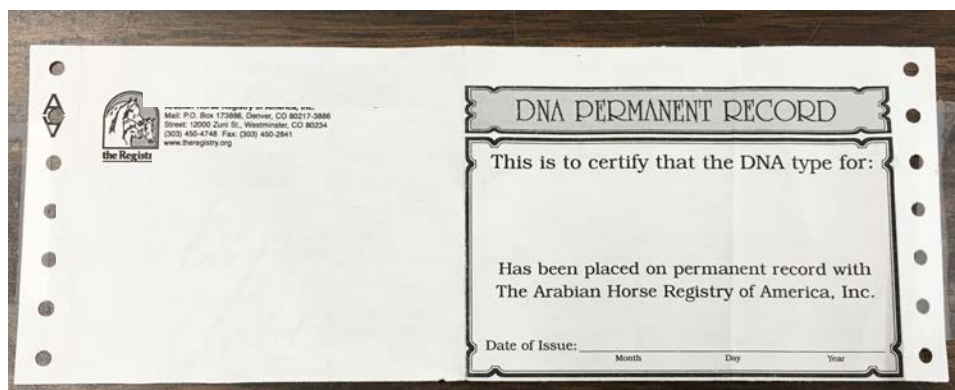
Evolution of Identification of the Arabian Horse

- 1991
 - Required parentage verification with the 1991 foal crop
 - Utilized blood typing at time of registration



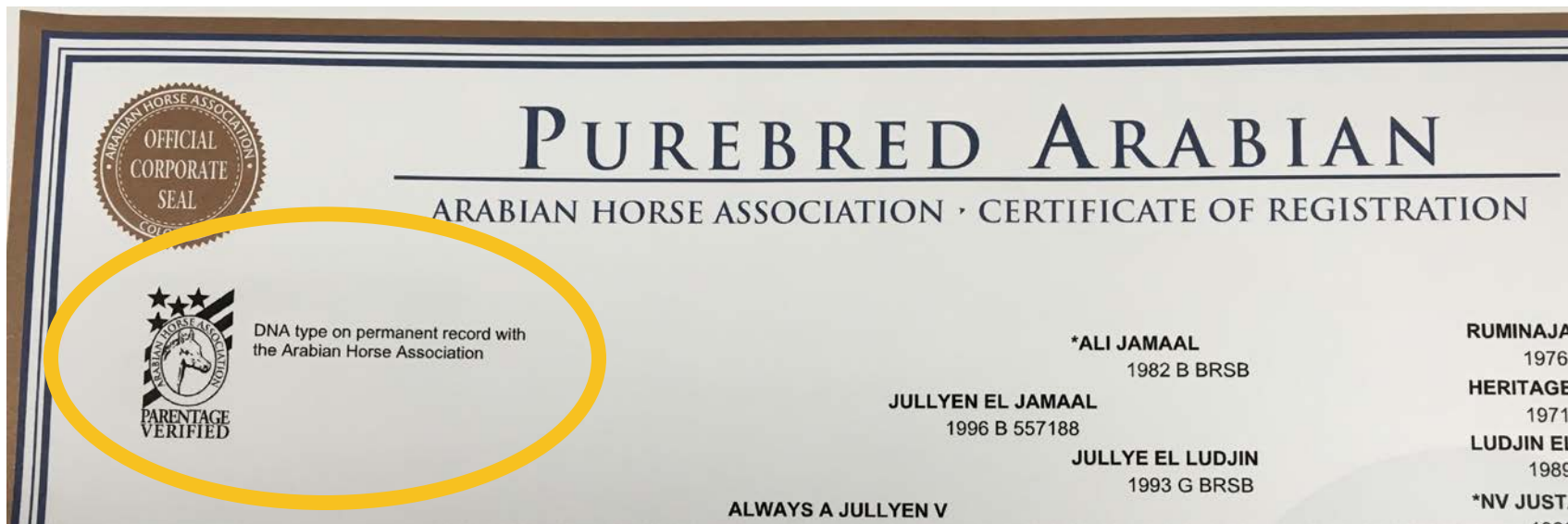
Evolution of Identification of the Arabian Horse

- 2001
 - DNA testing proven to be more accurate and more efficient in parentage verification
 - Testing offered at reduced price for breeding stock
 - DNA testing offered to 2001 foal crop
 - 85% of foals registered in 2001 were parentage verified utilizing DNA testing




Evolution of Identification of the Arabian Horse

- 2002
 - All new Purebred Arabian registrations required to be parentage qualified utilizing DNA typing



Evolution of Identification of the Arabian Horse

2003



PUREBRED ARABIAN

ARABIAN HORSE ASSOCIATION • CERTIFICATE OF REGISTRATION

Check type on permanent record with the Arabian Horse Association

REGISTERED NAME:
XANDER RTA
REGISTRATION NUMBER:
AHR56487
DATE FOALIED:
APR 15 2014
COLOR:
BLACK
SEX:
STALLION


MI TOSK 1977 C 150557
CYTOSK +++ 1983 C 259837
CYETFR 1999 G 08346
OUT OF CYTE 1992 K 483164
KJ JORDGEE BOY 1970 G 62723
AMANDI 1973 K 03380
SPRING SONG 1961 C 18574
DESPERADO V 1980 B 357142
BUNDANCE RID V 1995 K 518516
SWEET SHALMAR V 1980 B 457233
EROTICA SGA 1969 K 566723
LOVE ME LIGHTLY 1978 C 174055
TAPPER LIGHTLY 1974 C 110745

***BASK ++** 1959 B 25480
TCE 1965 B 33317
CYTARUS + 1964 B 31755
ROSSADU 1954 C 0691
***KARADJORDJE ++** 1985 G 38068
CHLOETTE ++ 1955 G 10997
***SERAFIX** 1949 C 8965
RAHAMA 1957 G 11781
HUCKLEBERRY BEY ++ 1978 B 144007
DARASKA 1976 B 138393
ALJ JAMAAL 1962 B 258891
SWEETINSPIRATIONV 1981 K 261442
WITRAZ 1938 D PASS
BALALAJKA 1961 G PASS
***BAJRAN** 1959 G 25481
FIESTERA 1958 G 48408

BRED BY:
613112
BAILEY KRAMER
ELK MOUND WI

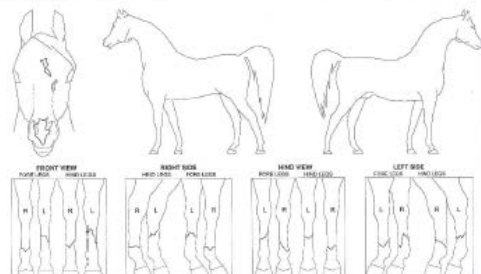
RECORDED OWNER:
613112
BAILEY KRAMER
N 6093 840TH ST
ELK MOUND WI 54739

IN WITNESS WHEREOF, ATTEST:
Nehrah Kasmentel
REGISTRAR



ARABIAN HORSES BREEDING ENTRY

TRANSFERRING OWNERSHIP OF A HORSE

INSTRUCTIONS	SELLER SECTION	BUYER SECTION
<p>1. The recorded owner (seller) must complete and sign the SELLER SECTION.</p> <p>2. The buyer (new owner) must complete and sign the BUYER SECTION.</p> <p>3. Send this certificate with a check or money order to AHA.</p> <p><small>NO encumbrances to this certificate. Any encumbrances will require a bill of sale or a signed letter from the seller confirming the details of the transfer.</small></p> <p><small>Signatures: A multiple ownership must be recorded in either an "and" or an "or" format. An "and" ownership requires all signatures for future transfer. An "or" ownership requires one signature for future transfer.</small></p>	<p>The seller listed below must complete this section.</p> <p>JANE B DUCA</p> <p>A. Date of Sale _____ Month _____ Day _____ Year _____ OR B. Contract Sale Beginning Date of Contract _____ Month _____ Day _____ Year _____ Ending Date of Contract _____ Month _____ Day _____ Year _____</p> <p>Seller's Signature(s) _____ Date _____</p> <p>Signature _____ Date _____ *Persons signing for an entity must be properly authorized with the AHA Registry.</p>	<p>The buyer (new recorded owner) must complete this section. Please enter your ownership number below. If you have never registered a purebred Arabian in your name, leave the line blank and an ownership number will be established for you.</p> <p>Ownership Number _____ Ownership Name (Please Print) _____ Address _____ City _____ State _____ Zip _____ Telephone (Home) _____ Telephone (Office) _____ Fax _____ E-Mail _____</p> <p>Buyer's Signature(s) _____ Date _____</p> <p>Signature _____ Date _____ Signature _____ Date _____</p>
	<p>TRANSFER FEES</p> <p><small>Transfer fees are based on the length of time between the date of sale (or ending date of a contract) and the postmark date of mailing the Certificate of Registration to AHA.</small></p> <p>Date of Sale - 0 Months \$10 Member Alter 6 Months \$35 Non-Member Alter 6 Months \$40 Member Alter 6 Months \$60 Non-Member</p> <p><small>(Fees subject to change)</small></p>	<p>RECORD OF CASTRATION</p> <p><small>Complete this section and mail the registration certificate to the AHA Registry. A new certificate showing the horse as a gelding will be mailed. There is no charge for this service.</small></p> <p>Date of Castration _____ Month _____ Day _____ Year _____ Recorded Owner's Signature _____ Date _____</p> <p>RECORD OF DEATH</p> <p><small>To record the death of a horse, send a written statement to the AHA Registry including the name and registration number of the horse, the signature of the recorded owner and the date of death. You may keep the certificate.</small></p>
	<p>MARKINGS:</p> <p>HEAD STRIP: SWP, LSP, RSP, LRP RIGHT FORE LEG: RFL, RFLD, LFL, LFLD LEFT FORE LEG: LFL, LFLD, RFL, RFLD LEFT HIND LEG: LHL, LHLD, RHL, RHLD</p>	 <p><small>ALL WHITE MARKINGS ARE OUTLINED</small></p>



DNA Parentage Qualification

- Parentage Qualification to Purebred Arabian parent(s)
 - Highly effective tool for identity at time of registration and for solving identity issues
 - Required for every Purebred Arabian registration
 - Approximately 1% of new registrations don't qualify initially
 - Required in certain circumstances for Half-Arabian registration
 - Embryo transfer
 - Over 2 years-old at the time of registration
 - Required for participation in select Half-Arabian classes at National Shows



DNA Parentage Qualification

- Random testing at National Events
 - Initiated in 2012
 - Identification comparison to type on record
 - Confirms the horse being shown is the same horse that was registered
 - Testing of Champion and Reserve Champion in random classes – typically money earning classes



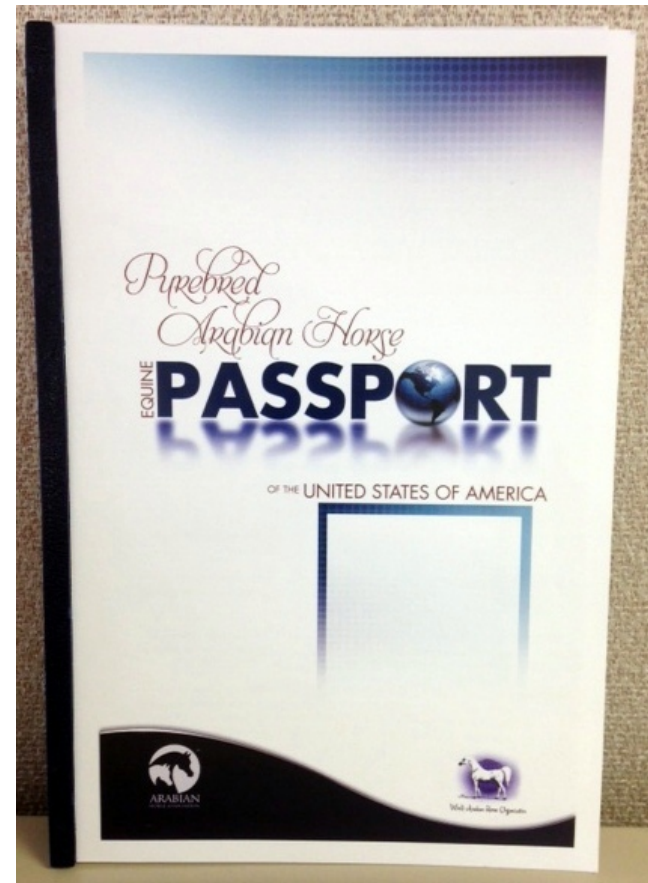
Identification of the Arabian Horse

- Racing
 - Unique Certificate of Registration issued
 - Cowlicks identified
 - Markings described extensively
 - Tattoo of registration number administered by Thoroughbred Racing Protective Bureau



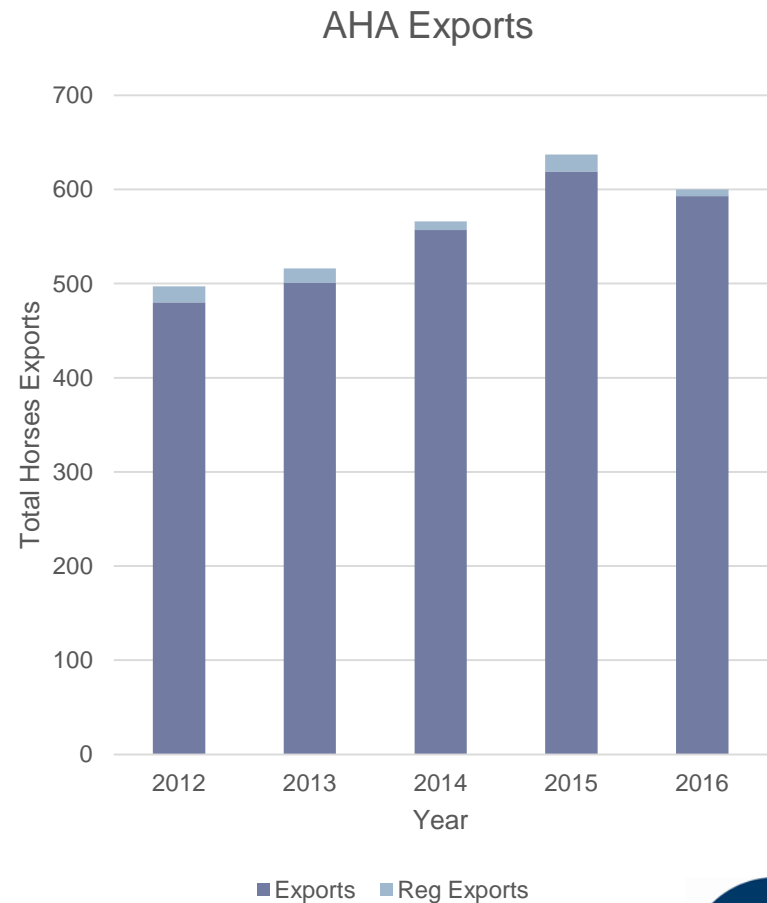
Identification of the Arabian Horse

- Export
 - Passport Documentation
 - International horse identity
 - Full pedigree, foaling date, color, gender and markings
 - Vaccination and medical history
 - Microchip information can be recorded



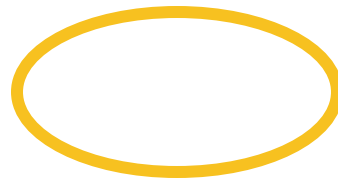
Identification of the Arabian Horse

- Exports must be recorded with our office
 - High demand
 - The Export Certificate includes DNA profiles, blood types, pedigree, covering certificate
 - Sent directly to importing country's Registry



Challenges in Identification of the Arabian Horse

- Microchips are s not as popular in United States as in other countries
 - Recorded on identification documentation when applicable



Challenges in Identification of the Arabian Horse

- Horses that were initially registered have been separated from Certificate of Registration
 - Loss of data with multiple transfers
- Abolishment of slaughter
 - Unregistered horses
 - Increased number of undocumented horses in circulation
- Upcoming requirements for horses that race abroad
 - Confirmation of identity with a second DNA test and microchipping required
- Capturing the microchip data for horses competing in disciplines that require microchips



Future Identification of the Arabian Horse

- Microchips
 - Not required by AHA, but documented and recorded
 - Valuable resource
 - Currently no global equine database
 - Utilized in European and Middle Eastern countries
 - To date, very small demand in U.S.
 - Recorded on Passports and export documents where applicable





ARABIAN
HORSE ASSOCIATION

